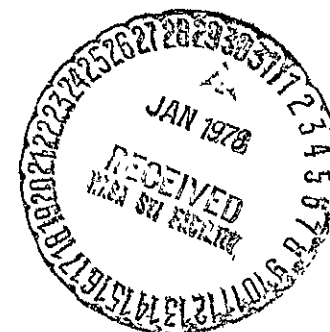


SOT

NTISUB/C/138-010

LANDSAT

U.S. STANDARD CATALOG
OCTOBER 1, 1977
THROUGH
OCTOBER 31, 1977



GSFC/LU-C/010
GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA

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CATALOG, 1 OCTOBER - 31 OCTOBER 1977 (NASA)
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INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI EROS Data Center.

U. S. Department of Agriculture

Aerial Photography Field Office
2505 Parley's Way
Salt Lake City, Utah 84109

U. S. Department of Commerce
National Oceanic and Atmospheric
Administration

Environment Data Service
Satellite Data Service Branch
D543
World Weather Building
Room 606
Washington, D. C. 20233

U. S. Department of the Interior
Geological Survey

User Services Unit
EROS Data Center
Sioux Falls, South Dakota 57198

INDEX

SECTION 1 DESCRIPTION OF STANDARD CATALOG

SECTION 2 DESCRIPTION OF MICROFILM

SECTION 3. CYCLE CHARTS

SECTION 4 LANDSAT 1 COVERAGE

Coverage Maps

Observation ID Listing

Contiguous U. S.

Alaska

Hawaii

Coordinate Listing

Contiguous U. S.

Alaska

Hawaii

SECTION 5 LANDSAT 2 COVERAGE

Coverage Maps

Observation ID Listing

Contiguous U. S.

Alaska

Hawaii

Coordinate Listing

Contiguous U. S.

Alaska

Hawaii

APPENDIX

SECTION 1 — STANDARD CATALOG

1.1 MONTHLY CATALOGS

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1,A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1,B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1,C) provides a computer listing of observations organized by longitude/latitude.

A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.

1. U.S. Satellite Coverage Maps. Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
2. Non-U.S. Satellite Coverage Map. A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.

B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

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1. Sample Observation ID Format. See Figure 1-1.

① 20 53 APR 04 75				② FROM 02/01/75 TO 02/28/75							
④	⑤		⑥	⑦	⑧	⑨		⑩		⑪	
OBSERVATION ID	MICROFILM ROLL NO / POSITION IN ROLL RBV MSS		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBLR	PRINCIPAL POINT OF IMAGI LAT LONG		SUN ELEV	SUN AZIM	IMAGE RBV	QUALITY MSS
1943-16381	00000/0000	1-10034/0565	02/21/75	100	3149	472RN	09815W	25 3	144 8		GGGG
1943-16383	00000/0000	1-10034/0566	02/21/75	100	3149	4603N	09849W	26 3	143 9		GGG
1943-16390	00000/0000	1-10034/0567	02/21/75	100	3149	4438N	09923W	27 2	143 0		GGG
1943-16392	00000/0000	1-10034/0568	02/21/75	70	3149	4313N	09955W	28 2	142 1		GGG
1943-16395	00000/0000	1-10034/0569	02/21/75	40	3149	4147N	10026W	29 1	141 2		GGG
1944-16432	00000/0000	1-10034/0606	02/22/75	40	3163	4854N	09903W	24 7	145 5		GGGG
1944-16435	00000/0000	1-10034/0607	02/22/75	90	3163	4730N	09939W	25 6	144 6		GGG
1944-16441	00000/0000	1-10034/0608	02/22/75	30	3163	4605N	10014W	26 6	143 8		GGGG

③ KEY

CLOUD COVER

• 0 TO 100 = % OF CLOUD COVER

• ** NO CLOUD DATA AVAILABLE

IMAGE QUALITY

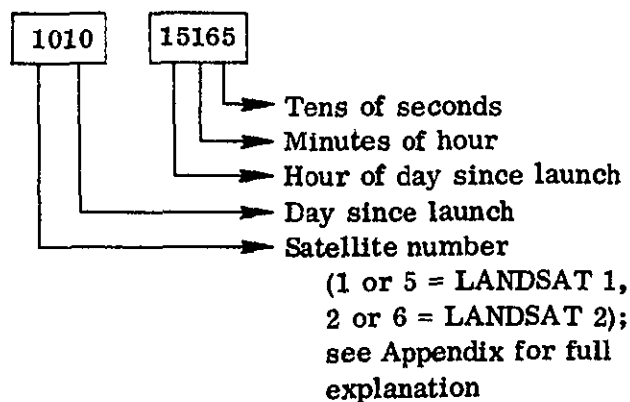
• BLANK = BAND NOT PRESENT/REQUISITLD

• G = GOOD P = POOR F = FAIR

Figure 1-1. Observation ID Listing for Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key

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C. Longitude/Latitude Listing. The data format for the longitude/latitude listing is identical in the U.S. and Non-U.S. Catalogs. This listing contains the same observations as the observation ID listing but organizes them by coordinates, using image center location information for each observation. Observations in this listing will be sorted first by longitude and, within longitude, by latitude. The longitude/latitude listing is arranged in the following manner:

180-0 degrees East; 90-0 degrees North and 0-90 degrees South
followed by
0-180 degrees West; 90-0 degrees North and 0-90 degrees South

This listing is intended to be used as a tool for locating specific coverage, and once a specific observation has been identified, pertinent information about it can be found by referring to the ID listing.

Figure 1-2 below shows a sample catalog page with a description of each data item.

1. Sample Longitude/Latitude Format. See Figure 1-2.

① 20 51 APR 04 75				② FROM 02 01 75 TO 02/20/75			
③	④	⑤	⑥	③	④	⑤	⑥
PRINCIPAL PT OF IMAGE LONG. LAT.	OBSERVATION ID	CC	QUALITY RMS MISS 12345678	PRINCIPAL PT OF IMAGE LONG. LAT.	OBSERVATION ID	CC	QUALITY RMS MISS 12345678
12351W 3600N	1901-18074	80	1111	12421W 3855N	1923 18112	70	1111
12352W 4027N	1901-18120	100	1111	12437W 4601N	1925-18124	90	1111
12352W 4028N	1975-18125	90	1111	12437W 4727N	1954-18101	60	1111
12401W 4726N	1925 18271	90	1111	12449W 4736N	1941 18125	90	1111
12416W 4713N	1924-18174	1	1111	12449W 4729N	1923 18114	70	1111
12421W 3901N	1901-18123	100	1111	12451W 4855N	1926 18171	90	1111
				12517W 4436N	1975 18230	90	1111
				12517W 4023N	1974 18103	50	1111
				12537W 4728N	1926 18275	60	1111
				12545W 4311N	1975-18235	90	1111
				12546W 4647N	1924 18190	50	1111
				12602W 4603N	1976 18182	70	1111

⑦ ALL
CLOUD COVER
● 0 TO 100% OF CLOUD COVER
● ** NO CLOUD DATA AVAILABLE

IMAGE QUALITY
● BEANS - HAND NOT PRESENT REQUESTED
● G - GOOD P - POOR F - FAIR

Figure 1-2. Coordinate Listing for Standard Catalog

2. Description of Data Items

- | | |
|---|------------------------------------|
| ① Date of catalog listing | ⑤ Estimated percent of cloud cover |
| ② Period during which imagery was processed | ⑥ Image quality; see key |
| ③ Longitude and latitude at observation center
(degrees and minutes) | ⑦ Data quality |
| ④ Observation ID, (see Fig. 1-1, Para. 1.1, B, 2) | |

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1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPF during that year.

A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.
2. Description of Data Items. See Paragraph 1.1, B, 2.

B. Coordinate ID Listing. The coordinate ID listing format is expanded to identify observations for which color or digital products have been made.

1. Sample Coordinate ID Format. See Figure 1-3.

(9)		(1)	(4)		(5)	(6)	(7)	(2)			(8)	(10)	(11)		(12)				
PRINCIPAL POINT OF IMAGE		OBSERVATION ID		MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	FROM 07/23/72 TO 07/23/74			ORBIT NUMBER	SUN ELEV	SUN AZIM	IMAGE QUALITY RBV 123	MSS 45678	PRODUCTS B P P B P C C D D			
LONG	LAT			RBV	MSS														
07607W	3734N	1295-15144		00000/0000	10010/1659	05/14/73	20				4112	60 2	122 0		GGGG				M
07607W	3731N	1259-15150		00000/0000	10010/0088	04/08/73	90				3610	50 7	133 2		GGGG				M
07607W	3731N	1313-15143		00000/0000	10011/0920	06/01/73	80				4363	62 3	116 2		GGGG				M
07608W	4438N	1027-15231		00000/0000	1-10001/1498	08/19/72	0				375	50 9	136 9		GGGG		M		M
07608W	3731N	1331-15142		00000/0000	1-10011/1589	06/19/73	100				4614	62 4	112 8		GGGG				M
07608W	3724N	1349-15141		00000/0000	1-10012/1387	07/07/73	10				4865	61 2	112 9		PGPP		M		M
07609W	4851N	1352-15275		00000/0000	1-10012/1622	07/10/73	60				4907	56 7	133 9		G				
07609W	3144N	1006-15093		1-10001/0377	1-10001/0378	07/29/72	100				82	59 7	108.3	GGG	PPGG				

(3) KEY

CLOUD COVER-
• 0 TO 100 = % OF CLOUD COVER

IMAGE QUALITY
• BLANK = BAND NOT PRESENT/REQUESTED
• G = GOOD P = POOR F = FAIR

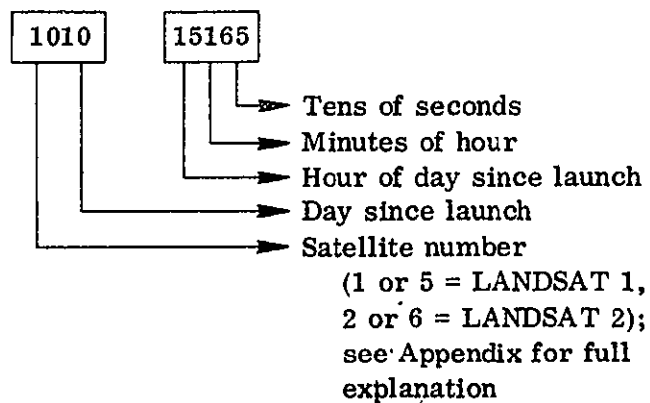
PRODUCTS ALREADY MADE
• R = MADE FROM RBV M = MADE FROM MSS
B = MADE FROM RBV AND MSS

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog

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2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key
- ⑫ Image/data product availability; see key

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SECTION 2 — MICROFILM

2.1 GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U.S. and Non-U.S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.580 - 0.680 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

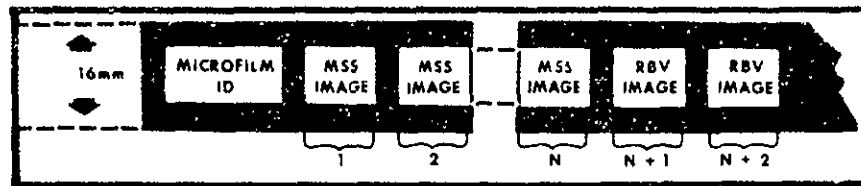


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1- = LANDSAT 1, 2- = LANDSAT 2). Example: Roll number 10032 and roll number 1-10034 are both LANDSAT 1 rolls. Roll 2-10032 is a LANDSAT 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 10001 is the first U.S. roll of microfilm produced for LANDSAT 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for LANDSAT 1. The first U.S. roll of microfilm for LANDSAT 2 is number 2-10001.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- Code Line Indexing
- Blip Encoding

2.2 CODE LINE INDEXING

The Landsat microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

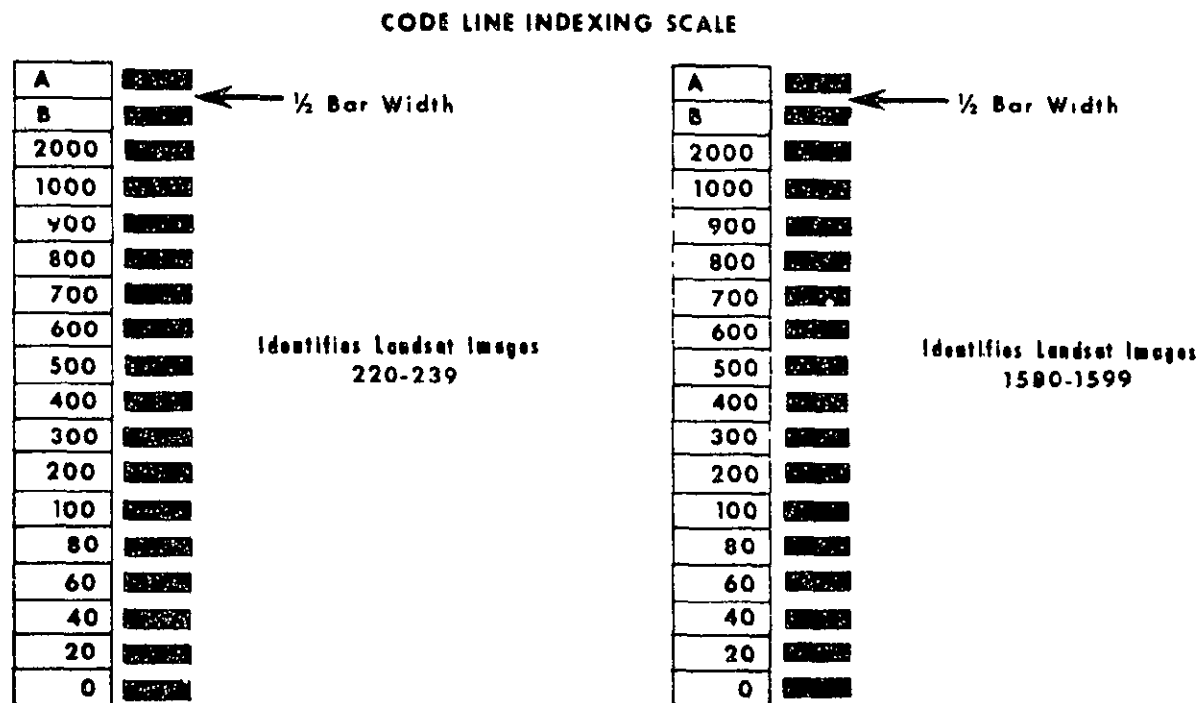


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. Landsat imagery is microfilmed at a reduction ratio of 8.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, multiply 0.24mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

2.3 BLIP ENCODING

The LANDSAT microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 - CYCLE CHARTS
SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	314	16 May 73	2 Jun 73
2	27	44	19 Aug 72	5 Sep 72	18	315	332	3 Jun 73	20 Jun 73
3	45	62	6 Sep 72	23 Sep 72	19	333	350	21 Jan 73	8 Jul 73
4	63	80	24 Sep 72	11 Oct 72	20	351	368	9 Jul 73	26 Jul 73
5	81	98	12 Oct 72	29 Oct 72	21	369	386	27 Jul 73	13 Aug 73
6	99	116	30 Oct 72	16 Nov 72	22	387	404	14 Aug 73	31 Aug 73
7	117	134	17 Nov 72	4 Dec 72	23	405	422	1 Sep 73	18 Sep 73
8	135	152	5 Dec 72	22 Dec 72	24	423	440	19 Sep 73	6 Oct 73
9	153	170	23 Dec 72	9 Jan 73	25	441	458	7 Oct 73	24 Oct 73
10	171	188	10 Jan 73	27 Jan 73	26	459	476	25 Oct 73	11 Nov 73
11	189	206	28 Jan 73	14 Feb 73	27	477	494	12 Nov 73	29 Nov 73
12	207	224	15 Feb 73	4 Mar 73	28	495	512	30 Nov 73	17 Dec 73
13	225	242	5 Mar 73	22 Mar 73	29	513	530	18 Dec 73	4 Jan 74
14	243	260	23 Mar 73	9 Apr 73	30	531	548	5 Jan 74	22 Jan 74
15	261	278	10 Apr 73	27 Apr 73	31	549	566	23 Jan 74	9 Feb 74

SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
32	567	584	10 Feb 74	27 Feb 74	48	855	872	25 Nov 74	12 Dec 74
33	585	602	28 Feb 74	17 Mar 74	49	873	890	13 Dec 74	30 Dec 74
34	603	620	18 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	31 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	8 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1089	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	8 Sep 75

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SECTION 3.1 -- LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	1322	18 Feb 76	6 Mar 76	89	1593	1610	2 Dec 76	19 Dec 76
74	1323	1340	7 Mar 76	24 Mar 76	90	1611	1628	20 Dec 76	6 Jan 77
75	1341	1358	25 Mar 76	11 Apr 76	91	1629	1646	7 Jan 77	24 Jan 77
76	1359	1376	12 Apr 76	29 Apr 76	92	1647	1664	25 Jan 77	11 Feb 77
77	1377	1394	30 Apr 76	17 May 76	93	1665	1682	12 Feb 77	1 Mar 77
78	1395	1412	18 May 76	4 Jun 76	94	1683	1700	2 Mar 77	19 Mar 77
79	1413	1430	5 Jun 76	22 Jun 76	95	1701	1718	20 Mar 77	6 Apr 77

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SECTION 3.2 — LANDSAT 2 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 22 days	1	27	22 Jan 75	13 Feb 75	19	347	364	4 Jan 76	21 Jan 76
1	23	40	14 Feb 75	3 Mar 75	20	365	382	22 Jan 76	8 Feb 76
2	41	58	4 Mar 75	21 Mar 75	21	383	400	9 Feb 76	26 Feb 76
3	59	76	22 Mar 75	8 Apr 75	22	401	418	27 Feb 76	15 Mar 76
4	77	94	9 Apr 75	26 Apr 75	23	419	436	16 Mar 76	2 Apr 76
5	95	112	27 Apr 75	14 May 75	24	437	454	3 Apr 76	20 Apr 76
6	113	130	15 May 75	1 Jun 75	25	455	472	21 Apr 76	8 May 76
7	131	148	2 Jun 75	19 Jun 75	26	473	490	9 May 76	26 May 76
8	149	188	20 Jun 75	7 Jul 75	27	491	508	27 May 76	13 Jun 76
9	167	184	8 Jul 75	25 Jul 75	28	509	526	14 Jun 76	1 Jul 76
10	185	202	26 Jul 75	12 Aug 75	29	527	544	2 Jul 76	19 Jul 76
11	203	220	13 Aug 75	30 Aug 75	30	545	562	20 Jul 76	6 Aug 76
12	221	238	31 Aug 75	17 Sep 75	31	563	580	7 Aug 76	24 Aug 76
13	239	256	18 Sep 75	5 Oct 75	32	581	598	25 Aug 76	11 Sep 76
14	257	274	6 Oct 75	23 Oct 75	33	599	616	12 Sep 76	29 Sep 76
15	275	292	24 Oct 75	10 Nov 75	34	617	634	30 Sep 76	17 Oct 76
16	293	310	11 Nov 75	28 Nov 75	35	635	652	18 Oct 76	4 Nov 76
17	311	328	29 Nov 75	16 Dec 75	36	653	670	5 Nov 76	22 Nov 76
18	329	346	17 Dec 75	3 Jan 76	37	671	688	23 Nov 76	10 Dec 76

SECTION 4
LANDSAT 1 COVERAGE

0015

**LANDSAT 1
OBSERVATION ID LISTING**

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07:51 NOV 13, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0016

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5880-15501	00000/0000 1-10063/0036	09/15/77	10	6215	4858N	10331W	30.4	125.7	GGG			37	26
5880-15503	00000/0000 1-10063/0037	09/15/77	60	6215	4732N	10407W	30.9	124.5	GGG			37	27
5880-15510	00000/0000 1-10063/0038	09/15/77	90	6215	4606N	10441W	31.4	123.3	GGG			37	28
5880-15512	00000/0000 1-10063/0039	09/15/77	80	6215	4440N	10514W	31.9	122.2	GGG			37	29
5880-15515	00000/0000 1-10063/0040	09/15/77	60	6215	4314N	10546W	32.4	121.0	GGG			37	30
5880-15521	00000/0000 1-10063/0041	09/15/77	20	6215	4149N	10616W	32.9	119.8	GGG			37	31
5880-15524	00000/0000 1-10063/0042	09/15/77	30	6215	4023N	10645W	33.3	118.7	GGG			37	32
5880-15530	00000/0000 1-10063/0043	09/15/77	10	6215	3858N	10713W	33.7	117.5	GGG			37	33
5880-15533	00000/0000 1-10063/0044	09/15/77	30	6215	3733N	10741W	34.1	116.3	GGG			37	34
5880-15535	00000/0000 1-10063/0045	09/15/77	10	6215	3607N	10807W	34.5	115.2	GGG			37	35
5880-15542	00000/0000 1-10063/0046	09/15/77	10	6215	3441N	10833W	34.8	114.0	GGG			37	36
5880-15544	00000/0000 1-10063/0047	09/15/77	10	6215	3314N	10859W	35.2	112.8	GGG			37	37
5880-15551	00000/0000 1-10063/0048	09/15/77	10	6215	3148N	10924W	35.5	111.6	GGG			37	38
5880-15553	00000/0000 1-10063/0049	09/15/77	10	6215	3021N	10950W	35.7	110.4	GGG			37	39
5882-16012	00000/0000 1-10063/0022	09/17/77	90	6243	4856N	10619W	29.8	126.3	GGG			39	26
5882-16015	00000/0000 1-10063/0023	09/17/77	90	6243	4731N	10656W	30.3	125.1	GGG			39	27
5882-16021	00000/0000 1-10063/0024	09/17/77	100	6243	4606N	10730W	30.9	124.0	GGG			39	28
5882-16024	00000/0000 1-10063/0025	09/17/77	90	6243	4441N	10803W	31.4	122.8	GGG			39	29
5882-16030	00000/0000 1-10063/0026	09/17/77	60	6243	4316N	10836W	31.9	121.7	GGG			39	30
5882-16033	00000/0000 1-10063/0027	09/17/77	70	6243	4150N	10906W	32.4	120.6	GGG			39	31
5882-16035	00000/0000 1-10063/0028	09/17/77	50	6243	4024N	10936W	32.8	119.4	GGG			39	32
5882-16042	00000/0000 1-10063/0029	09/17/77	30	6243	3859N	11005W	33.2	118.3	G G			39	33
5882-16044	00000/0000 1-10063/0030	09/17/77	10	6243	3733N	11034W	33.7	117.1	GGG			39	34
5882-16051	00000/0000 1-10063/0031	09/17/77	0	6243	3608N	11102W	34.1	116.0	GGG			39	35
5882-16053	00000/0000 1-10063/0032	09/17/77	0	6243	3443N	11129W	34.4	114.8	GGG			39	36
5882-16060	00000/0000 1-10063/0033	09/17/77	0	6243	3318N	11155W	34.8	113.6	GGG			39	37
5882-16062	00000/0000 1-10063/0034	09/17/77	0	6243	3152N	11220W	35.1	112.5	GGG			39	38
5882-16065	00000/0000 1-10063/0035	09/17/77	10	6243	3024N	11243W	35.4	111.3	GGG			39	39
5883-16084	00000/0000 1-10063/0066	09/18/77	10	6257	4314N	11001W	31.6	122.0	GGG			40	30
5883-16090	00000/0000 1-10063/0067	09/18/77	10	6257	4148N	11032W	32.1	120.9	GGG			40	31
5883-16093	00000/0000 1-10063/0068	09/18/77	10	6257	4023N	11102W	32.6	119.8	GGG			40	32
5883-16095	00000/0000 1-10063/0069	09/18/77	0	6257	3857N	11131W	33.0	118.6	GGG			40	33
5883-16102	00000/0000 1-10063/0070	09/18/77	0	6257	3732N	11200W	33.4	117.5	GGG			40	34
5883-16104	00000/0000 1-10063/0071	09/18/77	0	6257	3607N	11228W	33.8	116.3	GGG			40	35
5883-16111	00000/0000 1-10063/0072	09/18/77	0	6257	3441N	11254W	34.2	115.2	GGG			40	36
5883-16113	00000/0000 1-10063/0073	09/18/77	0	6257	3315N	11319W	34.6	114.0	GGG			40	37

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KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:51 NOV 13, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0017

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS DATA 123 45678 MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5883-16120	00000/0000	1-10063/0074	09/18/77	0	6257	3148N 11344W	34.9	112.9	GGG		40	38
5883-16122	00000/0000	1-10063/0075	09/18/77	0	6257	3022N 11407W	35.2	111.7	GGG		40	39
5885-14370	00000/0000	1-10063/0099	09/20/77	80	6284	4149N 08735W	31.6	121.6	GG		24	31
5885-14373	00000/0000	1-10063/0100	09/20/77	60	6284	4023N 08804W	32.1	120.4	FGG		24	32
5885-14375	00000/0000	1-10063/0101	09/20/77	60	6284	3858N 08833W	32.5	119.3	GGG		24	33
5885-14382	00000/0000	1-10063/0102	09/20/77	40	6284	3732N 08901W	33.0	118.2	FGG		24	34
5885-14384	00000/0000	1-10063/0103	09/20/77	20	6284	3607N 08928W	33.4	117.1	GGG		24	35
5886-14422	00000/0000	1-10063/0050	09/21/77	90	6298	4313N 08831W	30.8	123.0	GGG		25	30
5886-14424	00000/0000	1-10063/0051	09/21/77	50	6298	4147N 08901W	31.3	121.9	GGG		25	31
5886-14431	00000/0000	1-10063/0052	09/21/77	70	6298	4021N 08931W	31.8	120.8	GGG		25	32
5886-14433	00000/0000	1-10063/0053	09/21/77	80	6298	3856N 08959W	32.3	119.7	GGG		25	33
5886-14440	00000/0000	1-10063/0054	09/21/77	90	6298	3730N 09027W	32.8	118.6	GGG		25	34
5886-14442	00000/0000	1-10063/0055	09/21/77	60	6298	3604N 09055W	33.2	117.5	GGG		25	35
5886-16253	00000/0000	1-10063/0086	09/21/77	30	6299	4314N 11419W	30.8	123.0	GGG		43	30
5886-16260	00000/0000	1-10063/0087	09/21/77	10	6299	4148N 11450W	31.3	121.9	FGG		43	31
5886-16262	00000/0000	1-10063/0088	09/21/77	30	6299	4022N 11520W	31.8	120.8	GGG		43	32
5886-16265	00000/0000	1-10063/0089	09/21/77	30	6299	3857N 11549W	32.3	119.7	GGG		43	33
5886-16271	00000/0000	1-10063/0090	09/21/77	40	6299	3732N 11617W	32.7	118.6	GGG		43	34
5886-16274	00000/0000	1-10063/0091	09/21/77	40	6299	3606N 11644W	33.2	117.5	GGG		43	35
5886-16280	00000/0000	1-10063/0092	09/21/77	20	6299	3441N 11710W	33.6	116.4	GGG		43	36
5887-14482	00000/0000	1-10063/0076	09/22/77	100	6312	4148N 09030W	31.1	122.2	GGG		26	31
5887-14484	00000/0000	1-10063/0077	09/22/77	90	6312	4022N 09059W	31.6	121.1	GGG		26	32
5887-14491	00000/0000	1-10063/0078	09/22/77	20	6312	3856N 09127W	32.1	120.0	GGG		26	33
5887-14493	00000/0000	1-10063/0079	09/22/77	50	6312	3730N 09153W	32.5	118.9	GGG		26	34
5887-14500	00000/0000	1-10063/0080	09/22/77	90	6312	3604N 09220W	33.0	117.8	GGG		26	35
5887-14502	00000/0000	1-10063/0081	09/22/77	10	6312	3438N 09246W	33.4	116.7	GGG		26	36
5887-14505	00000/0000	1-10063/0082	09/22/77	10	6312	3312N 09313W	33.8	115.6	GGG		26	37
5887-14511	00000/0000	1-10063/0083	09/22/77	10	6312	3147N 09338W	34.1	114.5	GGG		26	38
5887-14514	00000/0000	1-10063/0084	09/22/77	10	6312	3021N 09402W	34.5	113.4	GGG		26	39
5887-14520	00000/0000	1-10063/0085	09/22/77	10	6312	2854N 09427W	34.8	112.2	GGG		26	40
5887-14523	00000/0000	1-10063/0104	09/22/77	50	6312	2728N 09451W	35.1	111.1	GGG		26	41
5888-16374	00000/0000	1-10063/0093	09/23/77	10	6327	4024N 11813W	31.3	121.5	GGG		45	32
5888-16380	00000/0000	1-10063/0094	09/23/77	0	6327	3858N 11842W	31.8	120.5	GGG		45	33
5888-16383	00000/0000	1-10063/0095	09/23/77	0	6327	3733N 11911W	32.3	119.4	GGG		45	34
5888-16385	00000/0000	1-10063/0096	09/23/77	0	6327	3607N 11938W	32.7	118.3	GGG		45	35
5888-16392	00000/0000	1-10063/0097	09/23/77	40	6327	3441N 12005W	33.1	117.2	GGG		45	36

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KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:51 NOV 13, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0018

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5888-16394	00000/0000 1-10063/0098	09/23/77	90	6327	3316N	12031W	33.5	116.1	GGG			45	37
5890-15042	00000/0000 1-10063/0008	09/25/77	60	6354	4440N	09343W	29.2	125.4	FGG			29	29
5890-15045	00000/0000 1-10063/0009	09/25/77	30	6354	4314N	09414W	29.7	124.3	GGG			29	30
5890-15051	00000/0000 1-10063/0010	09/25/77	10	6354	4147N	09446W	30.3	123.3	GGG			29	31
5890-15054	00000/0000 1-10063/0011	09/25/77	10	6354	4021N	09515W	30.8	122.2	GGG			29	32
5890-15060	00000/0000 1-10063/0012	09/25/77	50	6354	3856N	09542W	31.3	121.1	GGG			29	33
5890-15063	00000/0000 1-10063/0013	09/25/77	30	6354	3731N	09608W	31.8	120.1	GGG			29	34
5890-15065	00000/0000 1-10063/0014	09/25/77	0	6354	3607N	09634W	32.3	119.0	GGF			29	35
5890-15072	00000/0000 1-10063/0015	09/25/77	10	6354	3441N	09701W	32.7	117.9	GGG			29	36
5890-15074	00000/0000 1-10063/0016	09/25/77	10	6354	3315N	09728W	33.1	116.8	GGG			29	37
5890-15081	00000/0000 1-10063/0017	09/25/77	20	6354	3148N	09755W	33.5	115.7	GGG			29	38
5890-15083	00000/0000 1-10063/0018	09/25/77	80	6354	3022N	09820W	33.9	114.6	GGG			29	39
5890-15090	00000/0000 1-10063/0019	09/25/77	40	6354	2856N	09844W	34.2	113.5	GGG			29	40
5890-15092	00000/0000 1-10063/0020	09/25/77	20	6354	2731N	09908W	34.6	112.4	GGG			29	41
5890-15095	00000/0000 1-10063/0021	09/25/77	30	6354	2603N	09930W	34.9	111.3	GGG			29	42
5891-13255	00000/0000 1-10063/0006	09/26/77	90	6367	4731N	06814W	27.7	127.8	GG			12	27
5891-13262	00000/0000 1-10063/0007	09/26/77	90	6367	4605N	06850W	28.3	126.7	GGG			12	28
5891-15085	00000/0000 1-10063/0109	09/26/77	90	6368	4854N	09327W	27.1	128.9	GGG			30	26
5891-15091	00000/0000 1-10063/0110	09/26/77	90	6368	4730N	09402W	27.7	127.8	GGG			30	27
5891-15094	00000/0000 1-10063/0111	09/26/77	90	6368	4605N	09436W	28.3	126.7	GGG			30	28
5891-15100	00000/0000 1-10063/0112	09/26/77	50	6368	4440N	09508W	28.9	125.7	GGG			30	29
5891-15103	00000/0000 1-10063/0113	09/26/77	50	6368	4314N	09539W	29.5	124.6	GGG			30	30
5891-15105	00000/0000 1-10063/0114	09/26/77	10	6368	4148N	09609W	30.0	123.6	GGG			30	31
5891-15112	00000/0000 1-10063/0115	09/26/77	10	6368	4023N	09638W	30.5	122.5	GGF			30	32
5891-15114	00000/0000 1-10063/0116	09/26/77	0	6368	3858N	09706W	31.1	121.5	GGG			30	33
5891-15121	00000/0000 1-10063/0117	09/26/77	20	6368	3732N	09735W	31.6	120.4	GGG			30	34
5891-15123	00000/0000 1-10063/0118	09/26/77	20	6368	3605N	09803W	32.0	119.4	GGG			30	35
5891-15130	00000/0000 1-10063/0119	09/26/77	10	6368	3438N	09832W	32.5	118.3	GGG			30	36
5891-15132	00000/0000 1-10063/0120	09/26/77	0	6368	3312N	09859W	32.9	117.2	GGG			30	37
5891-15135	00000/0000 1-10063/0121	09/26/77	0	6368	3146N	09924W	33.3	116.1	GGG			30	38
5891-15141	00000/0000 1-10063/0122	09/26/77	20	6368	3021N	09949W	33.7	115.0	GGG			30	39
5891-15144	00000/0000 1-10063/0123	09/26/77	40	6368	2856N	10012W	34.1	114.0	GGG			30	40
5891-15150	00000/0000 1-10063/0124	09/26/77	10	6368	2729N	10035W	34.4	112.9	GGG			30	41
5891-15153	00000/0000 1-10063/0125	09/26/77	10	6368	2601N	10057W	34.7	111.7	GGG			30	42
5892-13322	00000/0000 1-10063/0190	09/27/77	80	6381	4440N	07049W	28.6	126.0	GGG			13	29
5892-13325	00000/0000 1-10063/0191	09/27/77	40	6381	4314N	07120W	29.2	124.9	GGG			13	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:51 NOV 13, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0019

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5892-13331	00000/0000 1=10063/0192	09/27/77	10	6381	4148N 07150W	29.8	123.9	GGG			13	31
5892-13334	00000/0000 1=10063/0193	09/27/77	0	6381	4022N 07220W	30.3	122.9	GGF			13	32
5892-13340	00000/0000 1=10063/0194	09/27/77	0	6381	3856N 07249W	30.8	121.8	GGF			13	33
5892-13343	00000/0000 1=10063/0195	09/27/77	10	6381	3731N 07316W	31.3	120.8	GFG			13	34
5892-13345	00000/0000 1=10063/0196	09/27/77	40	6381	3605N 07343W	31.8	119.7	GGG			13	35
5892-13352	00000/0000 1=10063/0197	09/27/77	40	6381	3438N 07409W	32.3	118.7	GFG			13	36
5892-15142	00000/0000 1=10063/0129	09/27/77	90	6382	4852N 09452W	26.8	129.1	GGG			31	26
5892-15145	00000/0000 1=10063/0130	09/27/77	70	6382	4728N 09528W	27.4	128.1	GGG			31	27
5892-15151	00000/0000 1=10063/0131	09/27/77	30	6382	4603N 09603W	28.0	127.0	GGG			31	28
5892-15154	00000/0000 1=10063/0132	09/27/77	0	6382	4438N 09637W	28.6	126.0	GFF			31	29
5892-15160	00000/0000 1=10063/0133	09/27/77	0	6382	4313N 09709W	29.2	125.0	GGG			31	30
5892-15163	00000/0000 1=10063/0134	09/27/77	0	6382	4148N 09739W	29.8	123.9	GGG			31	31
5892-15165	00000/0000 1=10063/0135	09/27/77	0	6382	4021N 09809W	30.3	122.9	GGG			31	32
5892-15172	00000/0000 1=10063/0136	09/27/77	10	6382	3855N 09838W	30.8	121.8	GGG			31	33
5892-15174	00000/0000 1=10063/0137	09/27/77	40	6382	3729N 09906W	31.3	120.8	GGG			31	34
5892-15181	00000/0000 1=10063/0138	09/27/77	50	6382	3603N 09933W	31.8	119.7	GGG			31	35
5892-15183	00000/0000 1=10063/0139	09/27/77	60	6382	3437N 09959W	32.3	118.7	GGG			31	36
5892-15190	00000/0000 1=10063/0140	09/27/77	50	6382	3312N 10024W	32.7	117.6	GGG			31	37
5892-15192	00000/0000 1=10063/0141	09/27/77	20	6382	3146N 10049W	33.1	116.5	GGG			31	38
5892-15195	00000/0000 1=10063/0142	09/27/77	10	6382	3019N 10114W	33.5	115.5	GGG			31	39
5892-15201	00000/0000 1=10063/0143	09/27/77	10	6382	2853N 10137W	33.9	114.4	GGG			31	40
5892-15204	00000/0000 1=10063/0144	09/27/77	0	6382	2727N 10200W	34.2	113.3	GGG			31	41
5893-13383	00000/0000 1=10063/0172	09/28/77	50	6395	4313N 07246W	28.9	125.3	FG			14	30
5893-13385	00000/0000 1=10063/0161	09/28/77	30	6395	4147N 07316W	29.5	124.2	GGG			14	31
5893-13392	00000/0000 1=10063/0162	09/28/77	10	6395	4021N 07345W	30.0	123.2	GGG			14	32
5893-13394	00000/0000 1=10063/0163	09/28/77	30	6395	3855N 07413W	30.6	122.2	GGG			14	33
5893-13401	00000/0000 1=10063/0164	09/28/77	20	6395	3729N 07440W	31.1	121.1	GGG			14	34
5893-13403	00000/0000 1=10063/0165	09/28/77	40	6395	3603N 07507W	31.6	120.1	GGG			14	35
5893-13410	00000/0000 1=10063/0166	09/28/77	40	6395	3437N 07533W	32.0	119.0	GGG			14	36
5893-13412	00000/0000 1=10063/0167	09/28/77	50	6395	3312N 07558W	32.5	118.0	GGG			14	37
5893-13415	00000/0000 1=10063/0168	09/28/77	60	6395	3147N 07622W	32.9	116.9	GGG			14	38
5893-13421	00000/0000 1=10063/0169	09/28/77	90	6395	3021N 07646W	33.3	115.8	GGG			14	39
5893-13424	00000/0000 1=10063/0170	09/28/77	70	6395	2854N 07711W	33.7	114.8	GGG			14	40
5893-13430	00000/0000 1=10063/0171	09/28/77	50	6395	2727N 07736W	34.1	113.7	GGG			14	41
5893-15200	00000/0000 1=10063/0145	09/28/77	50	6396	4852N 09618W	26.5	129.4	GGG			32	26
5893-15203	00000/0000 1=10063/0146	09/28/77	70	6396	4727N 09654W	27.1	128.4	GGG			32	27

ORIGINAL PAGE IS
OF POOR QUALITY

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:51 NOV 13, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0020

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS DATA 123 45678 MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5893-15205	00000/0000	1-10063/0147	09/28/77	80	6396	4602N	09730W	27.7	127.3	GGG		32	28
5893-15212	00000/0000	1-10063/0148	09/28/77	50	6396	4437N	09804W	28.3	126.3	GGG		32	29
5893-15214	00000/0000	1-10063/0149	09/28/77	70	6396	4312N	09836W	28.9	125.3	GGG		32	30
5893-15221	00000/0000	1-10063/0150	09/28/77	60	6396	4147N	09906W	29.5	124.2	GGG		32	31
5893-15223	00000/0000	1-10063/0151	09/28/77	90	6396	4021N	09936W	30.0	123.2	GGG		32	32
5893-15230	00000/0000	1-10063/0152	09/28/77	90	6396	3855N	10005W	30.6	122.2	GGG		32	33
5893-15232	00000/0000	1-10063/0153	09/28/77	90	6396	3729N	10033W	31.1	121.1	GGG		32	34
5893-15235	00000/0000	1-10063/0154	09/28/77	80	6396	3604N	10101W	31.6	120.1	GGG		32	35
5893-15241	00000/0000	1-10063/0155	09/28/77	50	6396	3438N	10127W	32.0	119.0	GGG		32	36
5893-15244	00000/0000	1-10063/0156	09/28/77	40	6396	3313N	10152W	32.5	118.0	GGG		32	37
5893-15250	00000/0000	1-10063/0157	09/28/77	60	6396	3146N	10217W	32.9	116.9	GGG		32	38
5893-15253	00000/0000	1-10063/0158	09/28/77	20	6396	3019N	10240W	33.3	115.8	FGG		32	39
5893-15255	00000/0000	1-10063/0159	09/28/77	10	6396	2852N	10303W	33.7	114.8	GGG		32	40
5893-15262	00000/0000	1-10063/0160	09/28/77	10	6396	2725N	10326W	34.1	113.7	GGG		32	41
5894-13425	00000/0000	1-10063/0443	09/29/77	100	6409	4730N	07233W	26.9	128.6	GGG		15	27
5894-13431	00000/0000	1-10063/0444	09/29/77	100	6409	4604N	07307W	27.5	127.6	GGG		15	28
5894-13434	00000/0000	1-10063/0445	09/29/77	90	6409	4438N	07340W	28.1	126.6	GGG		15	29
5894-13440	00000/0000	1-10063/0446	09/29/77	30	6409	4312N	07411W	28.7	125.6	GGG		15	30
5894-13443	00000/0000	1-10063/0447	09/29/77	20	6409	4146N	07441W	29.2	124.5	GGG		15	31
5894-13445	00000/0000	1-10063/0448	09/29/77	10	6409	4021N	07510W	29.8	123.5	GGG		15	32
5894-13452	00000/0000	1-10063/0449	09/29/77	10	6409	3856N	07539W	30.3	122.5	GGG		15	33
5894-13454	00000/0000	1-10063/0450	09/29/77	10	6409	3728N	07606W	30.8	121.5	GGG		15	34
5894-13461	00000/0000	1-10063/0451	09/29/77	10	6409	3602N	07633W	31.3	120.4	GGG		15	35
5894-13463	00000/0000	1-10063/0452	09/29/77	10	6409	3435N	07700W	31.8	119.4	GGG		15	36
5894-13470	00000/0000	1-10063/0453	09/29/77	20	6409	3310N	07724W	32.3	118.3	GGG		15	37
5894-13472	00000/0000	1-10063/0454	09/29/77	30	6409	3144N	07749W	32.7	117.3	GGG		15	38
5894-13475	00000/0000	1-10063/0455	09/29/77	30	6409	3019N	07813W	33.1	116.2	GGG		15	39
5894-13481	00000/0000	1-10063/0456	09/29/77	60	6409	2853N	07837W	33.5	115.2	GGG		15	40
5894-15283	00000/0000	1-10063/0202	09/29/77	70	6410	3857N	10129W	30.3	122.6	GGG		33	33
5894-15290	00000/0000	1-10063/0203	09/29/77	70	6410	3731N	10156W	30.8	121.5	GGG		33	34
5894-15292	00000/0000	1-10063/0204	09/29/77	40	6410	3605N	10222W	31.3	120.5	FGG		33	35
5894-15295	00000/0000	1-10063/0205	09/29/77	10	6410	3439N	10249W	31.8	119.4	GGG		33	36
5894-15301	00000/0000	1-10063/0206	09/29/77	10	6410	3313N	10315W	32.2	118.4	GGG		33	37
5894-15304	00000/0000	1-10063/0207	09/29/77	0	6410	3148N	10341W	32.7	117.3	GGG		33	38
5894-15310	00000/0000	1-10063/0208	09/29/77	0	6410	3022N	10406W	33.1	116.3	GGG		33	39
5894-15313	00000/0000	1-10063/0209	09/29/77	10	6410	2855N	10428W	33.5	115.2	GGG		33	40

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MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:51 NOV 13, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0021

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5895-13483	00000/0000	1-10063/0173	09/30/77	80	6423	4730N	07356W	26.5	128.9	GGG			16	27
5895-13485	00000/0000	1-10063/0174	09/30/77	90	6423	4604N	07431W	27.2	127.9	GGG			16	28
5895-13492	00000/0000	1-10063/0175	09/30/77	90	6423	4439N	07505W	27.8	126.9	GGG			16	29
5895-13494	00000/0000	1-10063/0176	09/30/77	90	6423	4314N	07537W	28.4	125.9	GGG			16	30
5895-13501	00000/0000	1-10063/0177	09/30/77	60	6423	4149N	07607W	28.9	124.9	GGG			16	31
5895-13503	00000/0000	1-10063/0178	09/30/77	30	6423	4023N	07636W	29.5	123.9	GGG			16	32
5895-13510	00000/0000	1-10063/0179	09/30/77	20	6423	3856N	07704W	30.1	122.9	GGG			16	33
5895-13512	00000/0000	1-10063/0180	09/30/77	0	6423	3730N	07732W	30.6	121.9	GGG			16	34
5895-13515	00000/0000	1-10063/0181	09/30/77	0	6423	3604N	07759W	31.1	120.8	GGG			16	35
5895-13521	00000/0000	1-10063/0182	09/30/77	40	6423	3438N	07825W	31.6	119.8	GGG			16	36
5895-13524	00000/0000	1-10063/0183	09/30/77	80	6423	3313N	07851W	32.0	118.8	GGF			16	37
5895-13530	00000/0000	1-10063/0184	09/30/77	90	6423	3147N	07916W	32.5	117.7	GGG			16	38
5895-13533	00000/0000	1-10063/0185	09/30/77	90	6423	3022N	07940W	32.9	116.7	GGG			16	39
5895-13535	00000/0000	1-10063/0186	09/30/77	60	6423	2856N	08004W	33.3	115.6	GGG			16	40
5895-13542	00000/0000	1-10063/0187	09/30/77	10	6423	2731N	08028W	33.7	114.5	GGG			16	41
5895-13544	00000/0000	1-10063/0188	09/30/77	10	6423	2605N	08051W	34.0	113.4	GGG			16	42
5895-13551	00000/0000	1-10063/0189	09/30/77	20	6423	2438N	08114W	34.4	112.4	GGG			16	43
5895-15323	00000/0000	1-10063/0210	09/30/77	100	6424	4438N	10055W	27.8	126.9	GGG			34	29
5895-15330	00000/0000	1-10063/0211	09/30/77	100	6424	4313N	10126W	28.4	125.9	GGG			34	30
5895-15332	00000/0000	1-10063/0212	09/30/77	100	6424	4148N	10157W	28.9	124.9	GGG			34	31
5895-15335	00000/0000	1-10063/0213	09/30/77	100	6424	4022N	10226W	29.5	123.9	GGG			34	32
5895-15341	00000/0000	1-10063/0214	09/30/77	90	6424	3856N	10254W	30.0	122.9	GGG			34	33
5895-15344	00000/0000	1-10063/0215	09/30/77	90	6424	3731N	10322W	30.6	121.9	GFG			34	34
5895-15350	00000/0000	1-10063/0216	09/30/77	80	6424	3605N	10349W	31.1	120.8	GGG			34	35
5895-15353	00000/0000	1-10063/0217	09/30/77	10	6424	3440N	10416W	31.6	119.8	GGG			34	36
5895-15355	00000/0000	1-10063/0218	09/30/77	0	6424	3313N	10441W	32.0	118.8	GGG			34	37
5896-13593	00000/0000	1-10063/0198	10/01/77	30	6437	2857N	08129W	33.1	116.0	GFG			17	40
5896-13595	00000/0000	1-10063/0199	10/01/77	10	6437	2732N	08153W	33.5	114.9	GGG			17	41
5896-14002	00000/0000	1-10063/0200	10/01/77	20	6437	2605N	08216W	33.9	113.9	GFG			17	42
5896-14004	00000/0000	1-10063/0201	10/01/77	30	6437	2438N	08238W	34.2	112.8	GGG			17	43
5896-15392	00000/0000	1-10063/0219	10/01/77	10	6438	4020N	10353W	29.2	124.2	GGG			35	32
5896-15395	00000/0000	1-10063/0220	10/01/77	0	6438	3855N	10422W	29.8	123.2	GGG			35	33
5896-15401	00000/0000	1-10063/0221	10/01/77	0	6438	3730N	10451W	30.3	122.2	GGG			35	34
5896-15404	00000/0000	1-10063/0222	10/01/77	0	6438	3606N	10519W	30.8	121.2	GGG			35	35
5896-15410	00000/0000	1-10063/0223	10/01/77	10	6438	3440N	10545W	31.3	120.2	GGG			35	36
5896-15413	00000/0000	1-10063/0224	10/01/77	10	6438	3313N	10610W	31.8	119.1	GGG			35	37

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07:51 NOV 13, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0022

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5896-15415	00000/0000	1-10063/0225	10/01/77	0	6438	3146N	10634W	32.3	118.1	GGG			35	38
5896-15422	00000/0000	1-10063/0226	10/01/77	0	6438	3020N	10659W	32.7	117.1	GGG			35	39
5897-15444	00000/0000	1-10063/0227	10/02/77	30	6452	4148N	10448W	28.4	125.6	GGG			36	31
5897-15450	00000/0000	1-10063/0228	10/02/77	20	6452	4022N	10518W	29.0	124.6	GGG			36	32
5897-15453	00000/0000	1-10063/0229	10/02/77	10	6452	3857N	10547W	29.5	123.6	GGG			36	33
5897-15455	00000/0000	1-10063/0230	10/02/77	10	6452	3731N	10615W	30.1	122.6	GGG			36	34
5897-15462	00000/0000	1-10063/0231	10/02/77	0	6452	3606N	10643W	30.6	121.6	GGG			36	35
5897-15464	00000/0000	1-10063/0232	10/02/77	0	6452	3440N	10710W	31.1	120.6	GGG			36	36
5897-15471	00000/0000	1-10063/0233	10/02/77	0	6452	3315N	10736W	31.6	119.5	GGG			36	37
5897-15473	00000/0000	1-10063/0234	10/02/77	40	6452	3150N	10801W	32.0	118.5	GGG			36	38
5897-15480	00000/0000	1-10063/0235	10/02/77	80	6452	3023N	10825W	32.5	117.5	GGG			36	39
5898-14045	00000/0000	1-10063/0252	10/03/77	20	6465	4855N	07738W	25.0	130.7	FGG			19	26
5898-14052	00000/0000	1-10063/0253	10/03/77	10	6465	4730N	07814W	25.6	129.8	FGF			19	27
5898-14054	00000/0000	1-10063/0254	10/03/77	20	6465	4604N	07848W	26.3	128.8	FGG			19	28
5898-14061	00000/0000	1-10063/0255	10/03/77	40	6465	4438N	07921W	26.9	127.8	GFF			19	29
5898-14063	00000/0000	1-10063/0256	10/03/77	40	6465	4312N	07953W	27.5	126.8	GGG			19	30
5898-14070	00000/0000	1-10063/0257	10/03/77	70	6465	4147N	08024W	28.1	125.8	FGG			19	31
5898-14072	00000/0000	1-10063/0258	10/03/77	70	6465	4021N	08054W	28.7	124.9	GGG			19	32
5898-14075	00000/0000	1-10063/0259	10/03/77	50	6465	3856N	08123W	29.3	123.9	GGG			19	33
5898-14081	00000/0000	1-10063/0260	10/03/77	40	6465	3731N	08150W	29.8	122.9	GGG			19	34
5898-14084	00000/0000	1-10063/0261	10/03/77	30	6465	3605N	08217W	30.4	121.9	GGG			19	35
5898-14090	00000/0000	1-10063/0262	10/03/77	10	6465	3439N	08242W	30.9	120.9	GGG			19	36
5898-14093	00000/0000	1-10063/0263	10/03/77	0	6465	3314N	08307W	31.4	119.9	GGG			19	37
5898-14095	00000/0000	1-10063/0264	10/03/77	0	6465	3148N	08331W	31.8	118.9	GGG			19	38
5898-14102	00000/0000	1-10063/0265	10/03/77	10	6465	3023N	08355W	32.3	117.8	FFG			19	39
5898-14104	00000/0000	1-10063/0266	10/03/77	20	6465	2857N	08418W	32.7	116.8	GFG			19	40
5898-14111	00000/0000	1-10063/0267	10/03/77	60	6465	2729N	08442W	33.1	115.8	GFG			19	41
5898-15481	00000/0000	1-10063/0274	10/03/77	70	6466	4853N	10329W	25.0	130.7	GGG			37	26
5898-15483	00000/0000	1-10063/0277	10/03/77	30	6466	4729N	10405W	25.6	129.8	GGG			37	27
5898-15490	00000/0000	1-10063/0278	10/03/77	10	6466	4604N	10440W	26.3	128.8	FGG			37	28
5898-15492	00000/0000	1-10063/0279	10/03/77	20	6466	4437N	10512W	26.9	127.8	GFF			37	29
5898-15495	00000/0000	1-10063/0280	10/03/77	70	6466	4311N	10544W	27.5	126.8	GGG			37	30
5898-15501	00000/0000	1-10063/0281	10/03/77	70	6466	4145N	10615W	28.1	125.9	GFG			37	31
5898-15504	00000/0000	1-10063/0282	10/03/77	60	6466	4019N	10645W	28.7	124.9	FGG			37	32
5898-15510	00000/0000	1-10063/0283	10/03/77	30	6466	3854N	10714W	29.3	123.9	GFF			37	33
5898-15513	00000/0000	1-10063/0284	10/03/77	20	6466	3730N	10743W	29.8	122.9	GGG			37	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
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07:51 NOV 13, '77

LANDSAT#1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0023

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5898-15515	00000/0000	1-10063/0285	10/03/77	10	6466	3605N 10811W	30.3	121.9	GGG			37	35
5898-15522	00000/0000	1-10063/0286	10/03/77	10	6466	3440N 10837W	30.9	120.9	GGG			37	36
5898-15524	00000/0000	1-10063/0287	10/03/77	30	6466	3314N 10903W	31.4	119.9	GGG			37	37
5898-15531	00000/0000	1-10063/0288	10/03/77	60	6466	3147N 10927W	31.8	118.9	GGG			37	38
5898-15533	00000/0000	1-10063/0289	10/03/77	90	6466	3020N 10951W	32.3	117.8	GFG			37	39
5899-14112	00000/0000	1-10063/0294	10/04/77	10	6479	4604N 08018W	26.0	129.0	GGG			20	28
5899-14115	00000/0000	1-10063/0295	10/04/77	40	6479	4439N 08051W	26.6	128.1	GGG			20	29
5899-14121	00000/0000	1-10063/0296	10/04/77	20	6479	4313N 08122W	27.2	127.1	FGG			20	30
5899-14124	00000/0000	1-10063/0297	10/04/77	10	6479	4147N 08152W	27.9	126.1	GGG			20	31
5899-14130	00000/0000	1-10063/0298	10/04/77	10	6479	4020N 08221W	28.4	125.2	GGG			20	32
5899-14133	00000/0000	1-10063/0299	10/04/77	10	6479	3854N 08249W	29.0	124.2	GGG			20	33
5899-14135	00000/0000	1-10063/0300	10/04/77	0	6479	3729N 08316W	29.6	123.2	GGG			20	34
5899-14142	00000/0000	1-10063/0301	10/04/77	0	6479	3604N 08342W	30.1	122.2	GGG			20	35
5899-14144	00000/0000	1-10063/0302	10/04/77	0	6479	3439N 08408W	30.6	121.2	GGG			20	36
5899-14151	00000/0000	1-10063/0303	10/04/77	0	6479	3313N 08435W	31.1	120.2	GFG			20	37
5899-14153	00000/0000	1-10063/0304	10/04/77	0	6479	3148N 08500W	31.6	119.2	GGG			20	38
5899-14160	00000/0000	1-10063/0305	10/04/77	10	6479	3022N 08526W	32.1	118.2	GGG			20	39
5899-14162	00000/0000	1-10063/0306	10/04/77	40	6479	2856N 08550W	32.5	117.2	GGG			20	40
5899-15535	00000/0000	1-10063/0395	10/04/77	10	6480	4851N 10455W	24.7	131.0	GGG			38	26
5899-15541	00000/0000	1-10063/0396	10/04/77	10	6480	4726N 10531W	25.3	130.0	GGG			38	27
5899-15544	00000/0000	1-10063/0397	10/04/77	70	6480	4601N 10606W	26.0	129.0	GGG			38	28
5899-15550	00000/0000	1-10063/0398	10/04/77	90	6480	4436N 10639W	26.6	128.1	GGG			38	29
5899-15553	00000/0000	1-10063/0399	10/04/77	90	6480	4311N 10711W	27.2	127.1	GGG			38	30
5899-15555	00000/0000	1-10063/0400	10/04/77	10	6480	4146N 10742W	27.8	126.1	GGG			38	31
5899-15562	00000/0000	1-10063/0401	10/04/77	10	6480	4020N 10812W	28.4	125.2	GGF			38	32
5899-15564	00000/0000	1-10063/0402	10/04/77	10	6480	3854N 10841W	29.0	124.2	GGG			38	33
5899-15571	00000/0000	1-10063/0403	10/04/77	10	6480	3729N 10908W	29.6	123.2	FFG			38	34
5900-14193	00000/0000	1-10063/0307	10/05/77	60	6493	3728N 08444W	29.3	123.5	GGG			21	34
5900-14195	00000/0000	1-10063/0308	10/05/77	30	6493	3603N 08511W	29.9	122.6	GGG			21	35
5900-14202	00000/0000	1-10063/0309	10/05/77	40	6493	3438N 08536W	30.4	121.6	GFG			21	36
5900-14204	00000/0000	1-10063/0310	10/05/77	30	6493	3311N 08602W	30.9	120.6	GGG			21	37
5900-14211	00000/0000	1-10063/0311	10/05/77	60	6493	3145N 08628W	31.4	119.6	GGG			21	38
5900-14213	00000/0000	1-10063/0312	10/05/77	50	6493	3019N 08653W	31.9	118.6	FFF			21	39
5900-14220	00000/0000	1-10063/0313	10/05/77	60	6493	2853N 08717W	32.3	117.6	GGG			21	40
5900-14222	00000/0000	1-10063/0314	10/05/77	50	6493	2728N 08740W	32.8	116.5	GGF			21	41
5900-15592	00000/0000	1-10063/0457	10/05/77	40	6494	4854N 10619W	24.3	131.3	GGG			39	26

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MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:51 NOV 13, 1977

LANDSAT-1
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0024

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5900-15595	00000/0000	1-10063/0458	10/05/77	10	6494	4729N	10656W	25.0	130.3	GGG			39	27
5900-16001	00000/0000	1-10063/0459	10/05/77	50	6494	4604N	10730W	25.7	129.3	GGG			39	28
5900-16004	00000/0000	1-10063/0460	10/05/77	60	6494	4438N	10804W	26.3	128.4	GGG			39	29
5900-16010	00000/0000	1-10063/0461	10/05/77	50	6494	4313N	10836W	26.9	127.4	GGG			39	30
5900-16013	00000/0000	1-10063/0462	10/05/77	10	6494	4147N	10907W	27.6	126.5	GGG			39	31
5900-16015	00000/0000	1-10063/0463	10/05/77	20	6494	4022N	10936W	28.2	125.5	GGG			39	32
5900-16022	00000/0000	1-10063/0464	10/05/77	50	6494	3856N	11004W	28.7	124.6	GGG			39	33
5901-16064	00000/0000	1-10063/0324	10/06/77	80	6508	4312N	11002W	26.7	127.7	GGG			40	30
5901-16071	00000/0000	1-10063/0325	10/06/77	70	6508	4146N	11032W	27.3	126.8	GGG			40	31
5901-16073	00000/0000	1-10063/0326	10/06/77	70	6508	4021N	11102W	27.9	125.8	GGG			40	32
5901-16080	00000/0000	1-10063/0327	10/06/77	90	6508	3855N	11130W	28.5	124.9	GGG			40	33
5901-16082	00000/0000	1-10063/0328	10/06/77	80	6508	3730N	11158W	29.1	123.9	GGG			40	34
5901-16085	00000/0000	1-10063/0329	10/06/77	80	6508	3604N	11225W	29.6	122.9	GGG			40	35
5901-16091	00000/0000	1-10063/0330	10/06/77	90	6508	3439N	11253W	30.1	122.0	GGG			40	36
5901-16094	00000/0000	1-10063/0331	10/06/77	90	6508	3314N	11320W	30.7	121.0	GGG			40	37
5901-16100	00000/0000	1-10063/0332	10/06/77	80	6508	3148N	11345W	31.2	120.0	GGG			40	38
5901-16103	00000/0000	1-10063/0333	10/06/77	90	6508	3021N	11409W	31.6	119.0	GGG			40	39
5902-14272	00000/0000	1-10063/0387	10/07/77	80	6521	4855N	08323W	23.7	131.8	FGG			23	26
5902-14275	00000/0000	1-10063/0388	10/07/77	50	6521	4729N	08400W	24.4	130.8	GGG			23	27
5902-14281	00000/0000	1-10063/0389	10/07/77	40	6521	4604N	08434W	25.1	129.9	GGG			23	28
5902-14284	00000/0000	1-10063/0390	10/07/77	30	6521	4438N	08508W	25.7	128.9	GGG			23	29
5902-14290	00000/0000	1-10063/0391	10/07/77	30	6521	4313N	08539W	26.4	128.0	GGG			23	30
5902-14293	00000/0000	1-10063/0392	10/07/77	90	6521	4147N	08609W	27.0	127.1	FFF			23	31
5902-14295	00000/0000	1-10063/0393	10/07/77	100	6521	4022N	08639W	27.6	126.1	GGG			23	32
5902-14302	00000/0000	1-10063/0394	10/07/77	100	6521	3856N	08707W	28.2	125.2	GGG			23	33
5905-14442	00000/0000	1-10063/0236	10/10/77	80	6563	4850N	08742W	22.8	132.5	GGG			26	26
5905-14444	00000/0000	1-10063/0237	10/10/77	70	6563	4726N	08818W	23.5	131.5	GGG			26	27
5905-14451	00000/0000	1-10063/0238	10/10/77	90	6563	4601N	08853W	24.2	130.6	GGG			26	28
5905-14453	00000/0000	1-10063/0239	10/10/77	90	6563	4435N	08926W	24.9	129.7	GGF			26	29
5905-14460	00000/0000	1-10063/0240	10/10/77	60	6563	4309N	08958W	25.5	128.8	GGG			26	30
5905-14462	00000/0000	1-10063/0241	10/10/77	50	6563	4144N	09029W	26.2	127.9	GGG			26	31
5905-14465	00000/0000	1-10063/0242	10/10/77	70	6563	4018N	09059W	26.8	127.0	GGG			26	32
5905-14471	00000/0000	1-10063/0243	10/10/77	90	6563	3853N	09127W	27.4	126.1	GGG			26	33
5905-14474	00000/0000	1-10063/0244	10/10/77	80	6563	3727N	09155W	28.0	125.2	GGG			26	34
5905-14480	00000/0000	1-10063/0245	10/10/77	60	6563	3601N	09221W	28.6	124.2	GGG			26	35
5905-14483	00000/0000	1-10063/0246	10/10/77	50	6563	3436N	09248W	29.2	123.3	GGG			26	36

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07:51 NOV 13, '77

LANDSAT-1
OBSERVATION ID LISTING
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FROM 10/01/77 TO 10/31/77

PAGE 0025

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5905-14485	00000/0000	1-10063/0247	10/10/77	70	6563	3310N 09314W	29.7	122.3	GGG			26	37
5905-14492	00000/0000	1-10063/0248	10/10/77	90	6563	3144N 09339W	30.3	121.4	GGG			26	38
5905-14494	00000/0000	1-10063/0249	10/10/77	90	6563	3018N 09404W	30.8	120.4	GGG			26	39
5905-14501	00000/0000	1-10063/0250	10/10/77	70	6563	2851N 09427W	31.3	119.5	GGG			26	40
5905-14503	00000/0000	1-10063/0251	10/10/77	50	6563	2724N 09449W	31.8	118.5	GGG			26	41
5905-14510	00000/0000	1-10063/0292	10/10/77	20	6563	2557N 09512W	32.2	117.5	GFG			26	42
5905-14512	00000/0000	1-10063/0293	10/10/77	30	6563	2431N 09535W	32.7	116.5	GFG			26	43
5905-16294	00000/0000	1-10063/0344	10/10/77	0	6564	4147N 11618W	26.2	127.9	GGG			44	31
5905-16300	00000/0000	1-10063/0345	10/10/77	0	6564	4022N 11649W	26.8	127.0	GGG			44	32
5905-16303	00000/0000	1-10063/0346	10/10/77	0	6564	3856N 11716W	27.4	126.1	GGG			44	33
5905-16305	00000/0000	1-10063/0347	10/10/77	0	6564	3729N 11743W	28.0	125.2	GGG			44	34
5905-16312	00000/0000	1-10063/0348	10/10/77	0	6564	3602N 11810W	28.6	124.3	GGG			44	35
5905-16314	00000/0000	1-10063/0349	10/10/77	20	6564	3435N 11836W	29.2	123.3	GGG			44	36
5905-16321	00000/0000	1-10063/0350	10/10/77	100	6564	3309N 11902W	29.7	122.4	GGG			44	37
5906-14534	00000/0000	1-10063/0351	10/11/77	10	6577	3604N 09347W	28.4	124.6	GGG			27	35
5906-14541	00000/0000	1-10063/0352	10/11/77	70	6577	3438N 09413W	28.9	123.7	GGG			27	36
5906-14543	00000/0000	1-10063/0353	10/11/77	90	6577	3313N 09439W	29.5	122.7	GGG			27	37
5906-14550	00000/0000	1-10063/0354	10/11/77	90	6577	3147N 09504W	30.0	121.8	GGG			27	38
5906-14552	00000/0000	1-10063/0355	10/11/77	90	6577	3021N 09529W	30.6	120.8	GGG			27	39
5906-14555	00000/0000	1-10063/0356	10/11/77	90	6577	2855N 09553W	31.1	119.9	GGG			27	40
5906-14561	00000/0000	1-10063/0357	10/11/77	60	6577	2728N 09615W	31.5	118.9	GGG			27	41
5906-14564	00000/0000	1-10063/0358	10/11/77	40	6577	2601N 09638W	32.0	117.9	GGG			27	42
5906-14570	00000/0000	1-10063/0359	10/11/77	30	6577	2435N 09700W	32.5	116.9	GGG			27	43
5906-16343	00000/0000	1-10063/0360	10/11/77	0	6578	4436N 11641W	24.6	130.0	GGG			45	29
5906-16345	00000/0000	1-10063/0361	10/11/77	0	6578	4310N 11712W	25.2	129.1	GGG			45	30
5906-16352	00000/0000	1-10063/0362	10/11/77	0	6578	4146N 11743W	25.9	128.2	GGG			45	31
5906-16354	00000/0000	1-10063/0363	10/11/77	0	6578	4020N 11812W	26.5	127.3	GGG			45	32
5906-16361	00000/0000	1-10063/0364	10/11/77	0	6578	3854N 11841W	27.1	126.4	GGG			45	33
5906-16363	00000/0000	1-10063/0365	10/11/77	0	6578	3728N 11909W	27.8	125.5	GGG			45	34
5906-16370	00000/0000	1-10063/0366	10/11/77	0	6578	3602N 11936W	28.3	124.6	GGG			45	35
5906-16372	00000/0000	1-10063/0367	10/11/77	60	6578	3436N 12002W	28.9	123.7	PGG			45	36
5906-16375	00000/0000	1-10063/0368	10/11/77	100	6578	3310N 12028W	29.5	122.7	GGG			45	37
5907-13124	00000/0000	1-10063/0374	10/12/77	70	6590	4725N 06523W	22.9	132.0	GFG			10	27
5907-13131	00000/0000	1-10063/0377	10/12/77	90	6590	4601N 06558W	23.6	131.1	GGF			10	28
5907-13133	00000/0000	1-10063/0378	10/12/77	90	6590	4437N 06632W	24.3	130.2	FQF			10	29
5907-13140	00000/0000	1-10063/0379	10/12/77	90	6590	4313N 06704W	25.0	129.3	GGG			10	30

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OBSERVATION ID LISTING
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FROM 10/01/77 TO 10/31/77

PAGE 0026

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO. MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5907-14592	00000/0000	1-10063/0369	10/12/77	0	6591	3605N	09515W	28.1	124.9	PGG			28	35
5907-14594	00000/0000	1-10063/0370	10/12/77	0	6591	3440N	09542W	28.7	124.0	PGF			28	36
5907-15001	00000/0000	1-10063/0371	10/12/77	0	6591	3314N	09607W	29.3	123.0	GPF			28	37
5907-15003	00000/0000	1-10063/0372	10/12/77	0	6591	3147N	09632W	29.8	122.1	PGF			28	38
5907-15010	00000/0000	1-10063/0373	10/12/77	0	6591	3021N	09656W	30.3	121.2	GGG			28	39
5907-15012	00000/0000	1-10063/0374	10/12/77	0	6591	2854N	09719W	30.8	120.2	PPF			28	40
5907-15021	00000/0000	1-10063/0375	10/12/77	80	6591	2601N	09804W	31.8	118.3	GGG			28	42
5907-16385	00000/0000	1-10063/0404	10/12/77	10	6592	4851N	11621W	22.2	132.9	FGG			46	26
5907-16391	00000/0000	1-10063/0405	10/12/77	0	6592	4726N	11657W	22.9	132.1	FGG			46	27
5907-16394	00000/0000	1-10063/0406	10/12/77	0	6592	4601N	11732W	23.6	131.2	FGG			46	28
5907-16400	00000/0000	1-10063/0407	10/12/77	0	6592	4436N	11805W	24.3	130.3	FGF			46	29
5907-16403	00000/0000	1-10063/0408	10/12/77	10	6592	4311N	11836W	24.9	129.4	FGG			46	30
5907-16405	00000/0000	1-10063/0409	10/12/77	10	6592	4146N	11907W	25.6	128.5	FGG			46	31
5907-16412	00000/0000	1-10063/0410	10/12/77	0	6592	4020N	11936W	26.2	127.6	FGG			46	32
5907-16414	00000/0000	1-10063/0411	10/12/77	0	6592	3854N	12006W	26.9	126.7	FGG			46	33
5907-16421	00000/0000	1-10063/0412	10/12/77	0	6592	3727N	12035W	27.5	125.8	FGG			46	34
5907-16423	00000/0000	1-10063/0413	10/12/77	20	6592	3601N	12103W	28.1	124.9	FGG			46	35
5907-16430	00000/0000	1-10063/0414	10/12/77	90	6592	3436N	12129W	28.7	124.0	FGG			46	36
5908-15011	00000/0000	1-10063/0415	10/13/77	10	6605	4851N	09200W	21.9	133.2	GGG			29	26
5908-15014	00000/0000	1-10063/0416	10/13/77	0	6605	4726N	09236W	22.6	132.3	GGF			29	27
5908-15020	00000/0000	1-10063/0417	10/13/77	0	6605	4602N	09310W	23.3	131.4	GGG			29	28
5908-15023	00000/0000	1-10063/0418	10/13/77	0	6605	4437N	09342W	24.0	130.5	GGG			29	29
5908-15025	00000/0000	1-10063/0419	10/13/77	0	6605	4312N	09413W	24.7	129.6	GGG			29	30
5908-15032	00000/0000	1-10063/0420	10/13/77	0	6605	4147N	09445W	25.3	128.8	GGG			29	31
5908-15034	00000/0000	1-10063/0421	10/13/77	0	6605	4021N	09516W	26.0	127.9	GGG			29	32
5908-15041	00000/0000	1-10063/0422	10/13/77	0	6605	3855N	09546W	26.6	127.0	GGF			29	33
5908-15043	00000/0000	1-10063/0423	10/13/77	0	6605	3729N	09615W	27.2	126.1	GGG			29	34
5908-15050	00000/0000	1-10063/0424	10/13/77	0	6605	3604N	09641W	27.9	125.2	GGG			29	35
5908-15052	00000/0000	1-10063/0425	10/13/77	0	6605	3439N	09707W	28.4	124.3	GGG			29	36
5908-15055	00000/0000	1-10063/0426	10/13/77	0	6605	3312N	09733W	29.0	123.4	GGF			29	37
5908-15061	00000/0000	1-10063/0427	10/13/77	0	6605	3146N	09757W	29.6	122.4	GGG			29	38
5908-15064	00000/0000	1-10063/0428	10/13/77	0	6605	3020N	09822W	30.1	121.5	GGG			29	39
5908-15070	00000/0000	1-10063/0429	10/13/77	0	6605	2854N	09845W	30.6	120.6	GGG			29	40
5908-15073	00000/0000	1-10063/0430	10/13/77	10	6605	2728N	09908W	31.1	119.6	FGG			29	41
5908-15075	00000/0000	1-10063/0431	10/13/77	10	6605	2602N	09930W	31.6	118.6	GGG			29	42
5908-16463	00000/0000	1-10063/0382	10/13/77	20	6606	4143N	12035W	25.3	128.8	GGG			47	31

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07:51 NOV 13, '77

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FROM 10/01/77 TO 10/31/77

PAGE 0027

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5908-16470	00000/0000	1-10063/0383	10/13/77	20	6606	4018N 12104W	26.0	127.9	GGG			47	32
5908-16472	00000/0000	1-10063/0384	10/13/77	10	6606	3853N 12133W	26.6	127.0	GGG			47	33
5908-16475	00000/0000	1-10063/0388	10/13/77	10	6606	3728N 12200W	27.2	126.1	GGG			47	34
5908-16481	00000/0000	1-10063/0386	10/13/77	10	6606	3602N 12228W	27.8	125.2	GGG			47	35
5909-13240	00000/0000	1-10063/0380	10/14/77	10	6618	4727N 06812W	22.3	132.5	FFG			12	27
5909-13242	00000/0000	1-10063/0381	10/14/77	90	6618	4601N 06847W	23.0	131.6	FFG			12	28
5909-15092	00000/0000	1-10063/0432	10/14/77	10	6619	4020N 09643W	25.7	128.1	GGG			30	32
5909-15094	00000/0000	1-10063/0433	10/14/77	10	6619	3854N 09712W	26.4	127.3	GGG			30	33
5909-15101	00000/0000	1-10063/0434	10/14/77	10	6619	3729N 09740W	27.0	126.4	GGG			30	34
5909-15103	00000/0000	1-10063/0435	10/14/77	10	6619	3604N 09807W	27.6	125.5	GGG			30	35
5909-15110	00000/0000	1-10063/0436	10/14/77	10	6619	3438N 09833W	28.2	124.6	GGG			30	36
5909-15112	00000/0000	1-10063/0437	10/14/77	0	6619	3311N 09858W	28.8	123.7	GGG			30	37
5909-15115	00000/0000	1-10063/0438	10/14/77	10	6619	3144N 09924W	29.3	122.8	GGG			30	38
5909-15121	00000/0000	1-10063/0439	10/14/77	10	6619	3018N 09948W	29.9	121.8	GGG			30	39
5909-15124	00000/0000	1-10063/0440	10/14/77	0	6619	2853N 10011W	30.4	120.9	GGF			30	40
5909-15130	00000/0000	1-10063/0441	10/14/77	0	6619	2728N 10033W	30.9	120.0	GGG			30	41
5909-15133	00000/0000	1-10063/0442	10/14/77	0	6619	2601N 10056W	31.4	119.0	GGG			30	42
5909-16501	00000/0000	1-10063/0471	10/14/77	10	6620	4850N 11914W	21.6	133.4	GGG			48	26
5909-16503	00000/0000	1-10063/0472	10/14/77	10	6620	4724N 11951W	22.3	132.5	GGG			48	27
5909-16510	00000/0000	1-10063/0473	10/14/77	10	6620	4559N 12026W	23.0	131.6	GGG			48	28
5909-16512	00000/0000	1-10063/0474	10/14/77	0	6620	4434N 12059W	23.7	130.8	GGG			48	29
5909-16515	00000/0000	1-10063/0475	10/14/77	10	6620	4309N 12131W	24.4	129.9	GGG			48	30
5909-16521	00000/0000	1-10063/0476	10/14/77	10	6620	4144N 12201W	25.0	129.0	GGG			48	31
5909-16524	00000/0000	1-10063/0477	10/14/77	20	6620	4019N 12231W	25.7	128.1	GGG			48	32
5909-16530	00000/0000	1-10063/0478	10/14/77	40	6620	3853N 12300W	26.3	127.3	F G			48	33
5909-16533	00000/0000	1-10063/0479	10/14/77	90	6620	3727N 12328W	27.0	126.4	GGG			48	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0028

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5880-20534	00000/0000	1-10063/0105	09/15/77	50	6218	6935N	16502W	20.3	147.6	GGF			92	11
5880-20540	00000/0000	1-10063/0106	09/15/77	60	6218	6816N	16652W	21.1	145.5	GGF			92	12
5880-20543	00000/0000	1-10063/0107	09/15/77	70	6218	6656N	16831W	21.8	143.6	GGF			92	13
5880-20545	00000/0000	1-10063/0108	09/15/77	80	6218	6535N	17000W	22.6	141.8	GGG			92	14
5881-20585	00000/0000	1-10063/0001	09/16/77	60	6232	7054N	16425W	19.2	150.0	GGG			93	10
5881-20591	00000/0000	1-10063/0002	09/16/77	50	6232	6937N	16628W	19.9	147.8	GGG			93	11
5881-20594	00000/0000	1-10063/0003	09/16/77	70	6232	6819N	16817W	20.7	145.7	GGG			93	12
5881-21000	00000/0000	1-10063/0004	09/16/77	90	6232	6659N	16954W	21.4	143.8	GGG			93	13
5881-21003	00000/0000	1-10063/0005	09/16/77	50	6232	6537N	17122W	22.2	142.1	GGG			93	14
5885-19383	00000/0000	1-10063/0056	09/20/77	100	6287	6935N	14622W	18.5	148.3	GGG			79	11
5885-19390	00000/0000	1-10063/0057	09/20/77	100	6287	6816N	14811W	19.3	146.3	GGG			79	12
5885-19392	00000/0000	1-10063/0058	09/20/77	90	6287	6656N	14950W	20.0	144.4	GGG			79	13
5885-19395	00000/0000	1-10063/0059	09/20/77	90	6287	6535N	15118W	20.8	142.7	GGG			79	14
5885-19401	00000/0000	1-10063/0060	09/20/77	100	6287	6414N	15238W	21.5	141.1	GGG			78	15
5885-19404	00000/0000	1-10063/0061	09/20/77	100	6287	6252N	15353W	22.3	139.6	GGG			78	16
5885-19410	00000/0000	1-10063/0062	09/20/77	100	6287	6130N	15501W	23.0	138.1	GGG			78	17
5885-19413	00000/0000	1-10063/0063	09/20/77	100	6287	6008N	15603W	23.7	136.8	FGG			78	18
5885-19415	00000/0000	1-10063/0064	09/20/77	100	6287	5844N	15701W	24.4	135.5	GGG			78	19
5885-19422	00000/0000	1-10063/0065	09/20/77	100	6287	5720N	15755W	25.1	134.2	GGG			78	20
5891-18313	00000/0000	1-10063/0126	09/26/77	50	6370	6131N	13749W	20.9	139.3	GGG			66	17
5891-18320	00000/0000	1-10063/0127	09/26/77	10	6370	6009N	13852W	21.6	138.0	FGG			66	18
5891-18322	00000/0000	1-10063/0128	09/26/77	10	6370	5846N	13950W	22.3	136.8	FGG			66	19
5892-18373	00000/0000	1-10063/0290	09/27/77	70	6384	6007N	14014W	21.3	138.2	GGG			67	18
5892-18380	00000/0000	1-10063/0291	09/27/77	90	6384	5844N	14112W	22.0	137.0	GGG			67	19
5897-19034	00000/0000	1-10063/0268	10/02/77	10	6454	6657N	14111W	15.6	146.2	FGG			73	13
5897-19040	00000/0000	1-10063/0269	10/02/77	0	6454	6536N	14240W	16.4	144.6	GGG			72	14
5897-19043	00000/0000	1-10063/0270	10/02/77	0	6454	6414N	14401W	17.2	143.1	GGG			72	15
5897-19045	00000/0000	1-10063/0271	10/02/77	0	6454	6253N	14514W	18.0	141.7	GGG			72	16
5897-19052	00000/0000	1-10063/0272	10/02/77	40	6454	6131N	14621W	18.8	140.4	GGG			72	17
5897-19054	00000/0000	1-10063/0273	10/02/77	80	6454	6008N	14723W	19.5	139.2	GGG			72	18
5897-19061	00000/0000	1-10063/0274	10/02/77	80	6454	5844N	14821W	20.3	138.0	GGG			72	19
5897-19063	00000/0000	1-10063/0275	10/02/77	100	6454	5721N	14915W	21.0	136.8	GGG			72	20
5901-19245	00000/0000	1-10063/0315	10/06/77	50	6510	7052N	14129W	11.7	152.4	GGG			77	10
5901-19252	00000/0000	1-10063/0316	10/06/77	20	6510	6935N	14330W	12.6	150.3	GGG			77	11
5901-19254	00000/0000	1-10063/0317	10/06/77	70	6510	6816N	14518W	13.4	148.4	GGG			77	12
5901-19261	00000/0000	1-10063/0318	10/06/77	60	6510	6656N	14656W	14.2	146.7	GGG			77	13

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0029

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5901-19263	00000/0000	1-10063/0319	10/06/77	80	6510	6536N	14824W	15.0	145.2	GGG				76	14
5901-19270	00000/0000	1-10063/0320	10/06/77	80	6510	6414N	14944W	15.8	143.7	GGG				76	15
5901-19272	00000/0000	1-10063/0321	10/06/77	70	6510	6252N	15058W	16.6	142.4	GGG				76	16
5901-19275	00000/0000	1-10063/0322	10/06/77	90	6510	6129N	15205W	17.4	141.1	FGG				76	17
5901-19281	00000/0000	1-10063/0323	10/06/77	100	6510	6006N	15308W	18.1	139.9	FGG				76	18
5903-19361	00000/0000	1-10063/0465	10/08/77	90	6538	7052N	14422W	11.0	152.5	GGG				79	10
5903-19363	00000/0000	1-10063/0466	10/08/77	50	6538	6934N	14625W	11.8	150.5	GGG				79	11
5903-19370	00000/0000	1-10063/0467	10/08/77	90	6538	6815N	14814W	12.7	148.6	GGG				79	12
5903-19372	00000/0000	1-10063/0468	10/08/77	90	6538	6655N	14951W	13.5	146.9	GGG				79	13
5903-19375	00000/0000	1-10063/0469	10/08/77	90	6538	6534N	15120W	14.3	145.4	GGG				79	14
5903-19381	00000/0000	1-10063/0470	10/08/77	60	6538	6412N	15241W	15.1	144.0	GGG				78	15
5904-19415	00000/0000	1-10063/0334	10/09/77	100	6552	7053N	14548W	10.6	152.7	GGG				80	10
5904-19421	00000/0000	1-10063/0335	10/09/77	30	6552	6935N	14749W	11.5	150.6	GGG				80	11
5904-19424	00000/0000	1-10063/0336	10/09/77	30	6552	6816N	14937W	12.3	148.8	GGG				80	12
5904-19430	00000/0000	1-10063/0337	10/09/77	90	6552	6656N	15114W	13.1	147.1	GGG				80	13
5904-19433	00000/0000	1-10063/0338	10/09/77	100	6552	6535N	15241W	13.9	145.6	GGG				79	14
5904-19435	00000/0000	1-10063/0339	10/09/77	100	6552	6413N	15400W	14.7	144.2	GGG				79	15
5905-18070	00000/0000	1-10063/0340	10/10/77	20	6565	6127N	13201W	16.0	141.7	GGG				62	17
5905-18073	00000/0000	1-10063/0341	10/10/77	10	6565	6004N	13304W	16.8	140.5	GGG				62	18
5905-18075	00000/0000	1-10063/0342	10/10/77	80	6565	5841N	13402W	17.6	139.4	GGG				62	19
5905-18082	00000/0000	1-10063/0343	10/10/77	100	6565	5717N	13455W	18.3	138.3	GGG				62	20

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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07:51 NOV 13, 1977

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0032

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
06523W	4725N	5907-13124	70	GFG	10	27	07607W	4149N	5895-13501	60	GGG	16	31
06558W	4601N	5907-13131	90	GGF	10	28	07622W	3147N	5893-13415	60	GGG	14	38
06632W	4437N	5907-13133	90	FGF	10	29	07633W	3602N	5894-13461	10	GGG	15	35
06704W	4313N	5907-13140	90	GGG	10	30	07636W	4023N	5895-13503	30	GGG	16	32
06812W	4727N	5909-13240	10	FFG	12	27	07646W	3021N	5893-13421	90	GGG	14	39
06814W	4731N	5891-13255	90	GG	12	27	07700W	3435N	5894-13463	10	GGG	15	36
06847W	4601N	5909-13242	90	FGG	12	28	07704W	3856N	5895-13510	20	GGG	16	33
06850W	4605N	5891-13262	90	GGG	12	28	07711W	2854N	5893-13424	70	GGG	14	40
07049W	4440N	5892-13322	80	GGG	13	29	07724W	3310N	5894-13470	20	GGG	15	37
07120W	4314N	5892-13325	40	GGG	13	30	07732W	3730N	5895-13512	0	GGG	16	34
07150W	4148N	5892-13331	10	GGG	13	31	07736W	2727N	5893-13430	50	GGG	14	41
07220W	4022N	5892-13334	0	GGF	13	32	07738W	4855N	5898-14045	20	FGG	19	26
07233W	4730N	5894-13425	100	GGG	15	27	07749W	3144N	5894-13472	30	GGG	15	38
07246W	4313N	5893-13383	50	FG	14	30	07759W	3604N	5895-13515	0	GGG	16	35
07249W	3856N	5892-13340	0	GGF	13	33	07813W	3019N	5894-13475	30	GGG	15	39
07307W	4604N	5894-13431	100	GGG	15	28	07814W	4730N	5898-14052	10	FGF	19	27
07316W	4147N	5893-13385	30	GGG	14	31	07825W	3438N	5895-13521	40	GGG	16	36
07316W	3731N	5892-13343	10	GGF	13	34	07837W	2853N	5894-13481	60	GGG	15	40
07340W	4438N	5894-13434	90	GGG	15	29	07848W	4604N	5898-14054	20	FGG	19	28
07343W	3605N	5892-13345	40	GGG	13	35	07851W	3313N	5895-13524	80	GGF	16	37
07345W	4021N	5893-13392	10	GGG	14	32	07916W	3147N	5895-13530	90	GGG	16	38
07356W	4730N	5895-13483	80	GGG	16	27	07921W	4438N	5898-14061	40	GFF	19	29
07409W	3438N	5892-13352	40	GGF	13	36	07940W	3022N	5895-13533	90	GGG	16	39
07411W	4312N	5894-13440	30	GGG	15	30	07953W	4312N	5898-14063	40	GGG	19	30
07413W	3855N	5893-13394	30	GGG	14	33	08004W	2856N	5895-13535	60	GGG	16	40
07431W	4604N	5895-13485	90	GGG	16	28	08018W	4604N	5899-14112	10	GGG	20	28
07440W	3729N	5893-13401	20	GGG	14	34	08024W	4147N	5898-14070	70	FGG	19	31
07441W	4146N	5894-13443	20	GGG	15	31	08028W	2731N	5895-13542	10	GGG	16	41
07505W	4439N	5895-13492	90	GGG	16	29	08051W	4439N	5899-14115	40	GGG	20	29
07507W	3603N	5893-13403	40	GGG	14	35	08051W	2605N	5895-13544	10	GGG	16	42
07510W	4021N	5894-13445	10	GGG	15	32	08054W	4021N	5898-14072	70	GGG	19	32
07533W	3437N	5893-13410	40	GGG	14	36	08114W	2438N	5895-13551	20	GGG	16	43
07537W	4314N	5895-13494	90	GGG	16	30	08122W	4313N	5899-14121	20	FGG	20	30
07539W	3856N	5894-13452	10	GGG	15	33	08123W	3856N	5898-14075	50	GGG	19	33
07558W	3312N	5893-13412	50	GGG	14	37	08129W	2857N	5896-13593	30	GFG	17	40
07606W	3728N	5894-13454	10	GGG	15	34	08150W	3731N	5898-14081	40	GGG	19	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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07:51 NOV 13, '77

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0033

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OF POOR QUALITY

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
08152W	4147N	5899-14124	10	GGG	20	31	08740W	2728N	5900-14222	50	GGF	21	41
08153W	2732N	5896-13595	10	GGG	17	41	08742W	4850N	5905-14442	80	GGG	26	26
08216W	2605N	5896-14002	20	GFG	17	42	08804W	4023N	5885-14373	60	FGG	24	32
08217W	3605N	5898-14084	30	GGG	19	35	08818W	4726N	5905-14444	70	GGG	26	27
08221W	4020N	5899-14130	10	GGG	20	32	08831W	4313N	5886-14422	90	GGG	25	30
08238W	2438N	5896-14004	30	GGG	17	43	08833W	3858N	5885-14375	60	GGG	24	33
08242W	3439N	5898-14090	10	GGG	19	36	08853W	4601N	5905-14451	90	GGG	26	28
08249W	3854N	5899-14133	10	GGG	20	33	08901W	4147N	5886-14424	50	GGG	25	31
08307W	3314N	5898-14093	0	GGG	19	37	08901W	3732N	5885-14382	40	FGG	24	34
08316W	3729N	5899-14135	0	GGG	20	34	08926W	4435N	5905-14453	90	GGF	26	29
08323W	4855N	5902-14272	80	FGG	23	26	08928W	3607N	5885-14384	20	GGG	24	35
08331W	3148N	5898-14095	0	GGG	19	38	08931W	4021N	5886-14431	70	GGG	25	32
08342W	3604N	5899-14142	0	GGG	20	35	08958W	4309N	5905-14460	60	GGG	26	30
08355W	3023N	5898-14102	10	FFG	19	39	08959W	3856N	5886-14433	80	GGG	25	33
08400W	4729N	5902-14275	50	GGG	23	27	09027W	3730N	5886-14440	90	GGG	25	34
08408W	3439N	5899-14144	0	GGG	20	36	09029W	4144N	5905-14462	50	GGG	26	31
08418W	2857N	5898-14104	20	GFG	19	40	09030W	4148N	5887-14482	100	GGG	26	31
08434W	4604N	5902-14281	40	GGG	23	28	09055W	3604N	5886-14442	60	GGG	25	35
08435W	3313N	5899-14151	0	GFG	20	37	09059W	4022N	5887-14484	90	GGG	26	32
08442W	2729N	5898-14111	60	GFG	19	41	09059W	4018N	5905-14465	70	GGG	26	32
08444W	3728N	5900-14193	60	GGG	21	34	09127W	3856N	5887-14491	20	GGG	26	33
08500W	3148N	5899-14153	0	GGG	20	38	09127W	3853N	5905-14471	90	GFG	26	33
08508W	4438N	5902-14284	30	GGG	23	29	09153W	3730N	5887-14493	50	GGG	26	34
08511W	3603N	5900-14195	30	GGG	21	35	09155W	3727N	5905-14474	80	GGG	26	34
08526W	3022N	5899-14160	10	GGG	20	39	09200W	4851N	5908-15011	10	GGG	29	26
08536W	3438N	5900-14202	40	GFG	21	36	09220W	3604N	5887-14500	90	GGG	26	35
08539W	4313N	5902-14290	30	GGG	23	30	09221W	3601N	5905-14480	60	GGG	26	35
08550W	2856N	5899-14162	40	GGG	20	40	09236W	4726N	5908-15014	0	GGF	29	27
08602W	3311N	5900-14204	30	GGG	21	37	09246W	3438N	5887-14502	10	GGG	26	36
08609W	4147N	5902-14293	90	FFF	23	31	09248W	3436N	5905-14483	50	GGG	26	36
08628W	3145N	5900-14211	60	GGG	21	38	09310W	4602N	5908-15020	0	GGG	29	28
08639W	4022N	5902-14295	100	GGG	23	32	09313W	3312N	5887-14505	10	GGG	26	37
08653W	3019N	5900-14213	50	FFF	21	39	09314W	3310N	5905-14485	70	GGG	26	37
08707W	3856N	5902-14302	100	GGG	23	33	09327W	4854N	5891-15085	90	GGG	30	26
08717W	2853N	5900-14220	60	GGG	21	40	09338W	3147N	5887-14511	10	GGG	26	38
08735W	4149N	5885-14370	80	GG	24	31	09339W	3144N	5905-14492	90	GGG	26	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:51 NOV 13, '77

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0034

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
09342W	4437N	5908-15023	0	GGG	29	29	09615W	3729N	5908-15043	0	GGG	29	34
09343W	4440N	5890-15042	60	FGG	29	29	09615W	2728N	5906-14561	60	GGG	27	41
09347W	3604N	5906-14534	10	GGG	27	35	09618W	4852N	5893-15200	50	GGG	32	26
09402W	4730N	5891-15091	90	GGG	30	27	09632W	3147N	5907-15003	0	PGF	28	38
09402W	3021N	5887-14514	10	GGG	26	39	09634W	3607N	5890-15065	0	GGF	29	35
09404W	3018N	5905-14494	90	GGG	26	39	09637W	4438N	5892-15154	0	GFF	31	29
09413W	4312N	5908-15025	0	GGG	29	30	09638W	4023N	5891-15112	10	GGF	30	32
09413W	3438N	5906-14541	70	GGG	27	36	09638W	2601N	5906-14564	40	GGG	27	42
09414W	4314N	5890-15045	30	GGG	29	30	09641W	3604N	5908-15050	0	GGG	29	35
09427W	2854N	5887-14520	10	GGG	26	40	09643W	4020N	5909-15092	10	GGG	30	32
09427W	2851N	5905-14501	70	GGG	26	40	09654W	4727N	5893-15203	70	GGG	32	27
09436W	4605N	5891-15094	90	GGG	30	28	09656W	3021N	5907-15010	0	GGG	28	39
09439W	3313N	5906-14543	90	GGG	27	37	09700W	2435N	5906-14570	30	GGG	27	43
09445W	4147N	5890-15051	10	GGG	29	31	09701W	3441N	5890-15072	10	GGG	29	36
09445W	4147N	5908-15032	0	GGG	29	31	09706W	3858N	5891-15114	0	GGG	30	33
09449W	2724N	5905-14503	50	GGG	26	41	09707W	3439N	5908-15052	0	GGG	29	36
09451W	2728N	5887-14523	50	GGG	26	41	09709W	4313N	5892-15160	0	GGG	31	30
09452W	4852N	5892-15142	90	GGG	31	26	09712W	3854N	5909-15094	10	GGG	30	33
09504W	3147N	5906-14550	90	GGG	27	38	09719W	2854N	5907-15012	0	PPF	28	40
09508W	4440N	5891-15100	50	GGG	30	29	09728W	3315N	5890-15074	10	GGG	29	37
09512W	2557N	5905-14510	20	GFG	26	42	09730W	4602N	5893-15205	80	GGG	32	28
09515W	4021N	5890-15054	10	GGG	29	32	09733W	3312N	5908-15055	0	GGF	29	37
09515W	3605N	5907-14592	0	PGG	28	35	09735W	3732N	5891-15121	20	GGG	30	34
09516W	4021N	5908-15034	0	GGG	29	32	09739W	4148N	5892-15163	0	GGG	31	31
09528W	4728N	5892-15145	70	GGG	31	27	09740W	3729N	5909-15101	10	GGG	30	34
09529W	3021N	5906-14552	90	GGG	27	39	09755W	3148N	5890-15081	20	GGG	29	38
09535W	2431N	5905-14512	30	GFG	26	43	09757W	3146N	5908-15061	0	GGG	29	38
09539W	4314N	5891-15103	50	GFG	30	30	09803W	3605N	5891-15123	20	GGG	30	35
09542W	3856N	5890-15060	50	GGG	29	33	09804W	4437N	5893-15212	50	GGG	32	29
09542W	3440N	5907-14594	0	PGF	28	36	09804W	2601N	5907-15021	80	GGG	28	42
09546W	3855N	5908-15041	0	GGF	29	33	09807W	3604N	5909-15103	10	GGG	30	35
09553W	2855N	5906-14555	90	GGG	27	40	09809W	4021N	5892-15165	0	GGG	31	32
09603W	4603N	5892-15151	30	GGG	31	28	09820W	3022N	5890-15083	80	GGG	29	39
09607W	3314N	5907-15001	0	GPF	28	37	09822W	3020N	5908-15064	0	GGG	29	39
09608W	3731N	5890-15063	30	GGG	29	34	09832W	3438N	5891-15130	10	GGG	30	36
09609W	4148N	5891-15105	10	GGG	30	31	09833W	3438N	5909-15110	10	GGG	30	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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07:51 NOV 13, 1977

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0035

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
09836W	4312N	5893-15214	70	GGG	32	30	10152W	3313N	5893-15244	40	GGG	32	37
09838W	3855N	5892-15172	10	GGG	31	33	10156W	3731N	5894-15290	70	GGG	33	34
09844W	2856N	5890-15090	40	GGG	29	40	10157W	4148N	5895-15332	100	GGG	34	31
09845W	2854N	5908-15070	0	GGG	29	40	10200W	2727N	5892-15204	0	GGG	31	41
09858W	3311N	5909-15112	0	GGG	30	37	10217W	3146N	5893-15250	60	GGG	32	38
09859W	3312N	5891-15132	0	GGG	30	37	10222W	3605N	5894-15292	40	FGG	33	35
09906W	4147N	5893-15221	60	GGG	32	31	10226W	4022N	5895-15335	100	GGG	34	32
09906W	3729N	5892-15174	40	GGG	31	34	10240W	3019N	5893-15253	20	FGG	32	39
09908W	2731N	5890-15092	20	GGG	29	41	10249W	3439N	5894-15295	10	GGG	33	36
09908W	2728N	5908-15073	10	FGG	29	41	10254W	3856N	5895-15341	90	GGG	34	33
09924W	3146N	5891-15135	0	GGG	30	38	10303W	2852N	5893-15255	10	GGG	32	40
09924W	3144N	5909-15115	10	GGG	30	38	10315W	3313N	5894-15301	10	GGG	33	37
09930W	2603N	5890-15095	30	GGG	29	42	10322W	3731N	5895-15344	90	GGG	34	34
09930W	2602N	5908-15075	10	GGG	29	42	10326W	2725N	5893-15262	10	GGG	32	41
09933W	3603N	5892-15181	50	GGG	31	35	10329W	4853N	5898-15481	70	GGG	37	26
09936W	4021N	5893-15223	90	GGG	32	32	10331W	4858N	5880-15501	10	GGG	37	26
09948W	3018N	5909-15121	10	GGG	30	39	10341W	3148N	5894-15304	0	GGG	33	38
09949W	3021N	5891-15141	20	GGG	30	39	10349W	3605N	5895-15350	80	GGG	34	35
09959W	3437N	5892-15183	60	GGG	31	36	10353W	4020N	5896-15392	10	GGG	35	32
10005W	3855N	5893-15230	90	GGG	32	33	10405W	4729N	5898-15483	30	GGG	37	27
10011W	2853N	5909-15124	0	GGF	30	40	10406W	3022N	5894-15310	0	GGG	33	39
10012W	2856N	5891-15144	40	GGG	30	40	10407W	4732N	5880-15503	60	GGG	37	27
10024W	3312N	5892-15190	50	GGG	31	37	10416W	3440N	5895-15353	10	GGG	34	36
10033W	3729N	5893-15232	90	GGG	32	34	10422W	3855N	5896-15395	0	GGG	35	33
10033W	2728N	5909-15130	0	GGG	30	41	10428W	2855N	5894-15313	10	GGG	33	40
10035W	2729N	5891-15150	10	GGG	30	41	10440W	4604N	5898-15490	10	FGG	37	28
10049W	3146N	5892-15192	20	GGG	31	38	10441W	4606N	5880-15510	90	GGG	37	28
10055W	4438N	5895-15323	100	GGG	34	29	10441W	3313N	5895-15355	0	GGG	34	37
10056W	2601N	5909-15133	0	GGG	30	42	10448W	4148N	5897-15444	30	GGG	36	31
10057W	2601N	5891-15153	10	GGG	30	42	10451W	3730N	5896-15401	0	GGG	35	34
10101W	3604N	5893-15235	80	GGG	32	35	10455W	4851N	5899-15535	10	GGG	38	26
10114W	3019N	5892-15195	10	GGG	31	39	10512W	4437N	5898-15492	20	GGF	37	29
10126W	4313N	5895-15330	100	GGG	34	30	10514W	4440N	5880-15512	80	GGG	37	29
10127W	3438N	5893-15241	50	GGG	32	36	10518W	4022N	5897-15450	20	GGG	36	32
10129W	3857N	5894-15283	70	GGG	33	33	10519W	3606N	5896-15404	0	GGG	35	35
10137W	2853N	5892-15201	10	GGG	31	40	10531W	4726N	5899-15541	10	GGG	38	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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07:51 NOV 13, 1977

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0036

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
10544W	4311N	5898-15495	70	GGG	37	30	10833W	3441N	5880-15542	10	GGG	37	36
10545W	3440N	5896-15410	10	GGG	35	36	10836W	4316N	5882-16030	60	GGG	39	30
10546W	4314N	5880-15515	60	GGG	37	30	10836W	4313N	5900-16010	50	GGG	39	30
10547W	3857N	5897-15453	10	GGG	36	33	10837W	3440N	5898-15522	10	GGG	37	36
10606W	4601N	5899-15544	70	GGG	38	28	10841W	3854N	5899-15564	10	GGG	38	33
10610W	3313N	5896-15413	10	GGG	35	37	10859W	3314N	5880-15544	10	GGG	37	37
10615W	4145N	5898-15501	70	GGG	37	31	10903W	3314N	5898-15524	30	GGG	37	37
10615W	3731N	5897-15455	10	GGG	36	34	10906W	4150N	5882-16033	70	GGG	39	31
10616W	4149N	5880-15521	20	GGG	37	31	10907W	4147N	5900-16013	10	GGG	39	31
10619W	4856N	5882-16012	90	GGG	39	26	10908W	3729N	5899-15571	10	FFG	38	34
10619W	4854N	5900-15592	40	GGG	39	26	10924W	3148N	5880-15551	10	GGG	37	38
10634W	3146N	5896-15415	0	GGG	35	38	10927W	3147N	5898-15531	60	GGG	37	38
10639W	4436N	5899-15550	90	GGG	38	29	10936W	4024N	5882-16035	50	GGG	39	32
10643W	3606N	5897-15462	0	GGG	36	35	10936W	4022N	5900-16015	20	GGG	39	32
10645W	4023N	5880-15524	30	GGG	37	32	10950W	3021N	5880-15553	10	GGG	37	39
10645W	4019N	5898-15504	60	FFG	37	32	10951W	3020N	5898-15533	90	GGG	37	39
10656W	4731N	5882-16015	90	GGG	39	27	11001W	4314N	5883-16084	10	GGG	40	30
10656W	4729N	5900-15595	10	GGG	39	27	11002W	4312N	5901-16064	80	GGG	40	30
10659W	3020N	5896-15422	0	GGG	35	39	11004W	3856N	5900-16022	50	GGG	39	33
10710W	3440N	5897-15464	0	GGG	36	36	11005W	3859N	5882-16042	30	GGG	39	33
10711W	4311N	5899-15553	90	GGG	38	30	11032W	4148N	5883-16090	10	GGG	40	31
10713W	3858N	5880-15530	10	GGG	37	33	11032W	4146N	5901-16071	70	GGG	40	31
10714W	3854N	5898-15510	30	GGF	37	33	11034W	3733N	5882-16044	10	GGG	39	34
10730W	4606N	5882-16021	100	GGG	39	28	11102W	4023N	5883-16093	10	GGG	40	32
10730W	4604N	5900-16001	50	GGG	39	28	11102W	4021N	5901-16073	70	GGG	40	32
10736W	3315N	5897-15471	0	GGG	36	37	11102W	3608N	5882-16051	0	GGG	39	35
10741W	3733N	5880-15533	30	GGG	37	34	11129W	3443N	5882-16053	0	GGG	39	36
10742W	4146N	5899-15555	10	GGG	38	31	11130W	3855N	5901-16080	90	GGG	40	33
10743W	3730N	5898-15513	20	GGG	37	34	11131W	3857N	5883-16095	0	GGG	40	33
10801W	3150N	5897-15473	40	GGG	36	38	11155W	3318N	5882-16060	0	GGG	39	37
10803W	4441N	5882-16024	90	GGG	39	29	11158W	3730N	5901-16082	80	GGG	40	34
10804W	4438N	5900-16004	60	GGG	39	29	11200W	3732N	5883-16102	0	GGG	40	34
10807W	3607N	5880-15535	10	GGG	37	35	11220W	3152N	5882-16062	0	GGG	39	38
10811W	3605N	5898-15515	10	GGG	37	35	11225W	3604N	5901-16085	80	GGG	40	35
10812W	4020N	5899-15562	10	GGF	38	32	11228W	3607N	5883-16104	0	GGG	40	35
10825W	3023N	5897-15480	80	GGG	36	39	11243W	3024N	5882-16065	10	GGG	39	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:51 NOV 13, 1977

LANDSAT-1
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0037

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
11253W	3439N	5901-16091	90	GGG	40	36	11841W	3854N	5906-16361	0	GGG	45	33
11254W	3441N	5883-16111	0	GGG	40	36	11842W	3858N	5888-16380	0	GGG	45	33
11319W	3315N	5883-16113	0	GGG	40	37	11902W	3309N	5905-16321	100	GGG	44	37
11320W	3314N	5901-16094	90	GGG	40	37	11907W	4146N	5907-16405	10	FGG	46	31
11344W	3148N	5883-16120	0	GGG	40	38	11909W	3728N	5906-16363	0	GGG	45	34
11345W	3148N	5901-16100	80	GGG	40	38	11911W	3733N	5888-16383	0	GGG	45	34
11407W	3022N	5883-16122	0	GGG	40	39	11914W	4850N	5909-16501	10	GGG	48	26
11409W	3021N	5901-16103	90	GGG	40	39	11936W	4020N	5907-16412	0	FGG	46	32
11419W	4314N	5886-16253	30	GGG	43	30	11936W	3602N	5906-16370	0	GGG	45	35
11450W	4148N	5886-16260	10	PGG	43	31	11938W	3607N	5888-16385	0	GGG	45	35
11520W	4022N	5886-16262	30	GGG	43	32	11951W	4724N	5909-16503	10	GGG	48	27
11549W	3857N	5886-16265	30	GGG	43	33	12002W	3436N	5906-16372	60	PGG	45	36
11617W	3732N	5886-16271	40	GGG	43	34	12005W	3441N	5888-16392	40	GGG	45	36
11618W	4147N	5905-16294	0	GGG	44	31	12006W	3854N	5907-16414	0	FGG	46	33
11621W	4851N	5907-16385	10	FGG	46	26	12026W	4559N	5909-16510	10	GGG	48	28
11641W	4436N	5906-16343	0	GGG	45	29	12028W	3310N	5906-16375	100	GGG	45	37
11644W	3606N	5886-16274	40	GGG	43	35	12031W	3316N	5888-16394	90	GGG	45	37
11649W	4022N	5905-16300	0	GGG	44	32	12035W	4143N	5908-16463	20	GGG	47	31
11657W	4726N	5907-16391	0	FGG	46	27	12035W	3727N	5907-16421	0	FGG	46	34
11710W	3441N	5886-16280	20	GGG	43	36	12059W	4434N	5909-16512	0	GGG	48	29
11712W	4310N	5906-16345	0	GGG	45	30	12103W	3601N	5907-16423	20	FGG	46	35
11716W	3856N	5905-16303	0	GGG	44	33	12104W	4018N	5908-16470	20	GGG	47	32
11732W	4601N	5907-16394	0	FGG	46	28	12129W	3436N	5907-16430	90	FGG	46	36
11743W	4146N	5906-16352	0	GGG	45	31	12131W	4309N	5909-16515	10	GGG	48	30
11743W	3729N	5905-16305	0	GGG	44	34	12133W	3853N	5908-16472	10	GGG	47	33
11805W	4436N	5907-16400	0	FGG	46	29	12200W	3728N	5908-16475	10	GGG	47	34
11810W	3602N	5905-16312	0	GGG	44	35	12201W	4144N	5909-16521	10	GGG	48	31
11812W	4020N	5906-16354	0	GGG	45	32	12228W	3602N	5908-16481	10	GGG	47	35
11813W	4024N	5888-16374	10	GGG	45	32	12231W	4019N	5909-16524	20	GGG	48	32
11836W	4311N	5907-16403	10	FGG	46	30	12300W	3853N	5909-16530	40	FGG	48	33
11836W	3435N	5905-16314	20	GGG	44	36	12328W	3727N	5909-16533	90	GGG	48	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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OF POOR QUALITY

07:54 NOV 13, 1977

LANDSAT-1
COORDINATE LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0038

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
13201W	6127N	5905-18070	20	GGG	62	17	14937W	6816N	5904-19424	30	GGG	80	12
13304W	6004N	5905-18073	10	GGG	62	18	14944W	6414N	5901-19270	80	GGG	76	15
13402W	5841N	5905-18075	80	GGG	62	19	14950W	6656N	5885-19392	90	GGG	79	13
13455W	5717N	5905-18082	100	GGG	62	20	14951W	6655N	5903-19372	90	GGG	79	13
13749W	6131N	5891-18313	50	GGG	66	17	15058W	6252N	5901-19272	70	GGG	76	16
13852W	6009N	5891-18320	10	FGG	66	18	15114W	6656N	5904-19430	90	GGG	80	13
13950W	5846N	5891-18322	10	FGG	66	19	15118W	6535N	5885-19395	90	GGG	79	14
14014W	6007N	5892-18373	70	GGG	67	18	15120W	6534N	5903-19375	90	GGG	79	14
14111W	6657N	5897-19034	10	FGG	73	13	15205W	6129N	5901-19275	90	FGG	76	17
14112W	5844N	5892-18380	90	GGG	67	19	15238W	6414N	5885-19401	100	GGG	78	15
14129W	7052N	5901-19245	50	GGG	77	10	15241W	6535N	5904-19433	100	GGG	79	14
14240W	6536N	5897-19040	0	GGG	72	14	15241W	6412N	5903-19381	60	GGG	78	15
14330W	6935N	5901-19252	20	GGG	77	11	15308W	6006N	5901-19281	100	FGG	76	18
14401W	6414N	5897-19043	0	GGG	72	15	15353W	6252N	5885-19404	100	GGG	78	16
14422W	7052N	5903-19361	90	GGG	79	10	15400W	6413N	5904-19435	100	GGG	79	15
14514W	6253N	5897-19045	0	GGG	72	16	15501W	6130N	5885-19410	100	GGG	78	17
14518W	6816N	5901-19254	70	GGG	77	12	15603W	6008N	5885-19413	100	FGG	78	18
14548W	7053N	5904-19415	100	GGG	80	10	15701W	5844N	5885-19415	100	GGG	78	19
14621W	6131N	5897-19052	40	FGG	72	17	15755W	5720N	5885-19422	100	GGG	78	20
14622W	6935N	5885-19383	100	GGG	79	11	16425W	7054N	5881-20585	60	GGG	93	10
14625W	6934N	5903-19363	50	GGG	79	11	16502W	6935N	5880-20534	50	GGF	92	11
14656W	6656N	5901-19261	60	GGG	77	13	16628W	6937N	5881-20591	50	GGG	93	11
14723W	6008N	5897-19054	80	FGG	72	18	16652W	6816N	5880-20540	60	GGF	92	12
14749W	6935N	5904-19421	30	GGG	80	11	16817W	6819N	5881-20594	70	GGG	93	12
14811W	6816N	5885-19390	100	GGG	79	12	16831W	6656N	5880-20543	70	GGF	92	13
14814W	6815N	5903-19370	90	GGG	79	12	16954W	6659N	5881-21000	90	GGG	93	13
14821W	5844N	5897-19061	80	GGG	72	19	17000W	6535N	5880-20545	80	GGG	92	14
14824W	6536N	5901-19263	80	GGG	76	14	17122W	6537N	5881-21003	50	GGG	93	14
14915W	5721N	5897-19063	100	GGG	72	20							

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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ORIGINAL PAGE IS-
OF POOR QUALITY

SECTION 5

LANDSAT 2 COVERAGE

ORIGINAL PAGE IS
OF POOR QUALITY

0041

LANDSAT 2
OBSERVATION ID LISTING

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0042

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2974-14275	00000/0000	2-10035/0040	09/22/77	80	3580	4732N	07052W	35.1	139.7	GGGG			14	27
2974-14282	00000/0000	2-10035/0041	09/22/77	50	3580	4607N	07127W	36.0	138.5	GGGG			14	28
2974-14284	00000/0000	2-10035/0042	09/22/77	50	3580	4442N	07201W	36.8	137.3	GGGG			14	29
2974-14291	00000/0000	2-10035/0043	09/22/77	70	3580	4317N	07233W	37.6	136.1	GGGG			14	30
2974-14293	00000/0000	2-10035/0044	09/22/77	90	3580	4152N	07304W	38.4	134.8	GGGG			14	31
2974-14300	00000/0000	2-10035/0045	09/22/77	100	3580	4026N	07334W	39.2	133.6	GGGG			14	32
2974-14302	00000/0000	2-10035/0046	09/22/77	90	3580	3901N	07403W	40.0	132.3	GGGG			14	33
2974-14305	00000/0000	2-10035/0047	09/22/77	60	3580	3736N	07431W	40.7	131.0	GGGG			14	34
2974-14311	00000/0000	2-10035/0048	09/22/77	30	3580	3610N	07458W	41.4	129.7	GGGG			14	35
2974-14314	00000/0000	2-10035/0049	09/22/77	30	3580	3443N	07524W	42.1	128.3	GGGG			14	36
2974-14320	00000/0000	2-10035/0050	09/22/77	70	3580	3316N	07550W	42.8	126.9	GGFG			14	37
2974-14323	00000/0000	2-10035/0051	09/22/77	90	3580	3150N	07615W	43.4	125.5	GGGG			14	38
2974-14325	00000/0000	2-10035/0052	09/22/77	40	3580	3024N	07640W	44.0	124.1	GGFG			14	39
2974-14332	00000/0000	2-10035/0053	09/22/77	40	3580	2858N	07705W	44.6	122.6	GGGG			14	40
2974-14334	00000/0000	2-10035/0054	09/22/77	60	3580	2731N	07728W	45.1	121.2	GGGG			14	41
2974-16104	00000/0000	2-10035/0001	09/22/77	100	3581	4856N	09603W	34.2	140.9	GGGG			32	26
2974-16111	00000/0000	2-10035/0002	09/22/77	100	3581	4731N	09639W	35.1	139.7	GGGG			32	27
2974-16113	00000/0000	2-10035/0003	09/22/77	90	3581	4607N	09714W	36.0	138.5	GGGG			32	28
2974-16120	00000/0000	2-10035/0004	09/22/77	90	3581	4442N	09748W	36.8	137.3	GGGG			32	29
2974-16122	00000/0000	2-10035/0005	09/22/77	50	3581	4317N	09821W	37.6	136.1	GGGG			32	30
2974-16125	00000/0000	2-10035/0006	09/22/77	10	3581	4152N	09852W	38.4	134.8	GGGG			32	31
2974-16131	00000/0000	2-10035/0007	09/22/77	10	3581	4026N	09922W	39.2	133.6	GGGG			32	32
2974-16134	00000/0000	2-10035/0008	09/22/77	0	3581	3900N	09951W	40.0	132.3	GGGG			32	33
2974-16140	00000/0000	2-10035/0009	09/22/77	10	3581	3734N	10019W	40.7	131.0	GGGG			32	34
2974-16143	00000/0000	2-10035/0010	09/22/77	0	3581	3608N	10046W	41.4	129.7	GGGG			32	35
2974-16145	00000/0000	2-10035/0011	09/22/77	10	3581	3442N	10113W	42.1	128.3	GGGG			32	36
2974-16152	00000/0000	2-10035/0012	09/22/77	30	3581	3316N	10139W	42.7	127.0	GGGG			32	37
2974-16154	00000/0000	2-10035/0013	09/22/77	10	3581	3150N	10204W	43.4	125.6	GGGG			32	38
2974-16161	00000/0000	2-10035/0014	09/22/77	10	3581	3024N	10229W	44.0	124.1	GGGG			32	39
2974-16163	00000/0000	2-10035/0015	09/22/77	0	3581	2858N	10253W	44.6	122.7	GGGG			32	40
2974-16170	00000/0000	2-10035/0016	09/22/77	0	3581	2731N	10317W	45.1	121.2	GGGG			32	41
2974-17540	00000/0000	2-10035/0017	09/22/77	40	3582	4857N	12154W	34.2	140.9	GGGG			50	26
2974-17543	00000/0000	2-10035/0018	09/22/77	40	3582	4732N	12230W	35.1	139.7	GGGG			50	27
2974-17545	00000/0000	2-10035/0019	09/22/77	40	3582	4607N	12305W	35.9	138.5	GGGG			50	28
2974-17552	00000/0000	2-10035/0020	09/22/77	40	3582	4441N	12338W	36.8	137.3	GGGG			50	29
2974-17554	00000/0000	2-10035/0021	09/22/77	40	3582	4316N	12411W	37.6	136.1	GGGG			50	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OF POOR QUALITY

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0043

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2974-17561	00000/0000 2-10035/0022	09/22/77	20	3582	4150N	12442W	38.4	134.9	GGGG		50	31
2974-17563	00000/0000 2-10035/0023	09/22/77	10	3582	4024N	12512W	39.2	133.6	GGFG		50	32
2974-17570	00000/0000 2-10035/0024	09/22/77	10	3582	3858N	12541W	39.9	132.3	GGGG		50	33
2977-14452	00000/0000 2-10035/0095	09/25/77	90	3622	4607N	07545W	35.1	139.3	GGGG		17	28
2977-14455	00000/0000 2-10035/0096	09/25/77	100	3622	4441N	07619W	35.9	138.2	GGGG		17	29
2977-14461	00000/0000 2-10035/0097	09/25/77	90	3622	4315N	07651W	36.7	137.0	GGGG		17	30
2977-14464	00000/0000 2-10035/0098	09/25/77	90	3622	4149N	07722W	37.6	135.8	GGGF		17	31
2977-14470	00000/0000 2-10035/0099	09/25/77	100	3622	4024N	07751W	38.4	134.6	GGGG		17	32
2977-14473	00000/0000 2-10035/0100	09/25/77	70	3622	3858N	07820W	39.2	133.4	GGFG		17	33
2977-14475	00000/0000 2-10035/0101	09/25/77	40	3622	3732N	07849W	39.9	132.1	GGGG		17	34
2977-14482	00000/0000 2-10035/0102	09/25/77	10	3622	3606N	07916W	40.7	130.8	GGGG		17	35
2977-14484	00000/0000 2-10035/0103	09/25/77	10	3622	3440N	07942W	41.4	129.5	GGGG		17	36
2977-14491	00000/0000 2-10035/0104	09/25/77	30	3622	3314N	08008W	42.1	128.2	GGGG		17	37
2977-14493	00000/0000 2-10035/0105	09/25/77	20	3622	3149N	08033W	42.7	126.8	GGGG		17	38
2977-14500	00000/0000 2-10035/0106	09/25/77	30	3622	3022N	08058W	43.3	125.4	GGGG		17	39
2977-14502	00000/0000 2-10035/0107	09/25/77	50	3622	2856N	08122W	44.0	124.0	GGGG		17	40
2977-16275	00000/0000 2-10035/0025	09/25/77	100	3623	4855N	10024W	33.3	141.7	GGGG		35	26
2977-16281	00000/0000 2-10035/0026	09/25/77	80	3623	4730N	10101W	34.2	140.5	GGGG		35	27
2977-16284	00000/0000 2-10035/0027	09/25/77	20	3623	4605N	10136W	35.0	139.4	GGGG		35	28
2977-16290	00000/0000 2-10035/0028	09/25/77	10	3623	4440N	10209W	35.9	138.2	FGGG		35	29
2977-16293	00000/0000 2-10035/0029	09/25/77	30	3623	4315N	10241W	36.7	137.0	GGGG		35	30
2977-16295	00000/0000 2-10035/0030	09/25/77	10	3623	4149N	10312W	37.6	135.8	GGGG		35	31
2977-16302	00000/0000 2-10035/0031	09/25/77	10	3623	4023N	10342W	38.4	134.6	GGGG		35	32
2977-16304	00000/0000 2-10035/0032	09/25/77	0	3623	3858N	10410W	39.1	133.4	GGGG		35	33
2977-16311	00000/0000 2-10035/0033	09/25/77	0	3623	3732N	10438W	39.9	132.1	GGGG		35	34
2977-16313	00000/0000 2-10035/0034	09/25/77	0	3623	3606N	10505W	40.6	130.8	GGGG		35	35
2977-16320	00000/0000 2-10035/0035	09/25/77	0	3623	3440N	10532W	41.3	129.5	GGGG		35	36
2977-16322	00000/0000 2-10035/0036	09/25/77	0	3623	3315N	10559W	42.0	128.2	FGGG		35	37
2977-16325	00000/0000 2-10035/0037	09/25/77	0	3623	3148N	10624W	42.7	126.8	GGGG		35	38
2977-16331	00000/0000 2-10035/0038	09/25/77	10	3623	3022N	10649W	43.3	125.5	GGGG		35	39
2977-16334	00000/0000 2-10035/0039	09/25/77	10	3623	2855N	10713W	43.9	124.0	GGGG		35	40
2978-14504	00000/0000 2-10035/0108	09/26/77	100	3636	4731N	07637W	33.9	140.8	FGGF		18	27
2978-14510	00000/0000 2-10035/0109	09/26/77	100	3636	4606N	07712W	34.7	139.6	GGGF		18	28
2978-14513	00000/0000 2-10035/0110	09/26/77	90	3636	4440N	07745W	35.6	138.5	GGFF		18	29
2978-14515	00000/0000 2-10035/0111	09/26/77	80	3636	4315N	07817W	36.5	137.3	FGGG		18	30
2978-14522	00000/0000 2-10035/0112	09/26/77	80	3636	4149N	07848W	37.3	136.1	GGGG		18	31

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OF POOR QUALITY

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0044

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2978-14524	00000/0000	2-10035/0113	09/26/77	90	3636	4023N	07918W	38.1	134.9	GGFG			18	32
2978-14531	00000/0000	2-10035/0114	09/26/77	90	3636	3857N	07948W	38.9	133.7	GGGG			18	33
2978-14533	00000/0000	2-10035/0118	09/26/77	90	3636	3732N	08016W	39.6	132.5	GGGF			18	34
2978-14540	00000/0000	2-10035/0116	09/26/77	80	3636	3606N	08043W	40.4	131.2	GGGG			18	35
2978-14542	00000/0000	2-10035/0117	09/26/77	40	3636	3440N	08110W	41.1	129.9	FGFF			18	36
2978-14545	00000/0000	2-10035/0118	09/26/77	40	3636	3314N	08135W	41.8	128.6	GGGG			18	37
2978-14551	00000/0000	2-10035/0119	09/26/77	20	3636	3148N	08159W	42.5	127.2	GGGF			18	38
2978-14554	00000/0000	2-10035/0120	09/26/77	30	3636	3022N	08224W	43.1	125.9	GGGF			18	39
2978-14560	00000/0000	2-10035/0121	09/26/77	30	3636	2855N	08249W	43.7	124.5	FGGF			18	40
2978-16333	00000/0000	2-10035/0080	09/26/77	90	3637	4858N	10148W	32.9	142.0	GGFG			36	26
2978-16335	00000/0000	2-10035/0081	09/26/77	70	3637	4733N	10225W	33.8	140.8	GGGG			36	27
2978-16342	00000/0000	2-10035/0082	09/26/77	10	3637	4608N	10300W	34.7	139.7	GGGG			36	28
2978-16344	00000/0000	2-10035/0083	09/26/77	10	3637	4442N	10334W	35.6	138.5	GGGG			36	29
2978-16351	00000/0000	2-10035/0084	09/26/77	10	3637	4317N	10406W	36.4	137.4	GGGG			36	30
2978-16353	00000/0000	2-10035/0085	09/26/77	30	3637	4151N	10437W	37.2	136.2	GGGG			36	31
2978-16360	00000/0000	2-10035/0086	09/26/77	80	3637	4026N	10507W	38.0	135.0	GGGG			36	32
2978-16362	00000/0000	2-10035/0087	09/26/77	30	3637	3900N	10536W	38.8	133.8	PGGG			36	33
2978-16365	00000/0000	2-10035/0088	09/26/77	30	3637	3734N	10604W	39.6	132.5	GGGG			36	34
2978-16371	00000/0000	2-10035/0089	09/26/77	60	3637	3609N	10632W	40.3	131.3	GGGG			36	35
2978-16374	00000/0000	2-10035/0090	09/26/77	90	3637	3443N	10659W	41.1	130.0	GGGG			36	36
2978-16380	00000/0000	2-10035/0091	09/26/77	40	3637	3317N	10725W	41.8	128.7	GGGG			36	37
2978-16383	00000/0000	2-10035/0092	09/26/77	20	3637	3151N	10750W	42.4	127.3	GGGG			36	38
2978-16385	00000/0000	2-10035/0093	09/26/77	10	3637	3024N	10814W	43.1	125.9	GGGG			36	39
2978-16392	00000/0000	2-10035/0094	09/26/77	10	3637	2858N	10838W	43.7	124.5	GGGG			36	40
2979-14562	00000/0000	2-10035/0122	09/27/77	90	3650	4733N	07801W	33.5	141.1	PGGG			19	27
2979-14564	00000/0000	2-10035/0123	09/27/77	100	3650	4607N	07836W	34.4	139.9	GGGG			19	28
2979-14571	00000/0000	2-10035/0124	09/27/77	90	3650	4442N	07909W	35.3	138.8	GGGG			19	29
2979-14573	00000/0000	2-10035/0125	09/27/77	30	3650	4316N	07942W	36.1	137.6	GGGG			19	30
2979-14580	00000/0000	2-10035/0126	09/27/77	50	3650	4150N	08013W	37.0	136.5	GGGG			19	31
2979-14582	00000/0000	2-10035/0127	09/27/77	90	3650	4024N	08044W	37.8	135.3	GGG			19	32
2979-14585	00000/0000	2-10035/0128	09/27/77	100	3650	3859N	08113W	38.6	134.1	PGGG			19	33
2979-14591	00000/0000	2-10035/0129	09/27/77	100	3650	3733N	08141W	39.4	132.9	GGGG			19	34
2979-14594	00000/0000	2-10035/0130	09/27/77	90	3650	3608N	08209W	40.1	131.6	GGGG			19	35
2979-15000	00000/0000	2-10035/0131	09/27/77	40	3650	3442N	08235W	40.8	130.3	GGGG			19	36
2979-15003	00000/0000	2-10035/0132	09/27/77	30	3650	3316N	08300W	41.5	129.0	GGGG			19	37
2979-15005	00000/0000	2-10035/0133	09/27/77	20	3650	3150N	08325W	42.2	127.7	GGGG			19	38

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0045

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2979-15012	00000/0000	2-10035/0134	09/27/77	30	3650	3024N 08349W	42.9	126.3	GGGG			19	39
2979-16391	00000/0000	2-10035/0201	09/27/77	10	3651	4857N 10314W	32.6	142.2	GGGF			37	26
2979-16393	00000/0000	2-10035/0202	09/27/77	0	3651	4732N 10351W	33.5	141.1	GGGG			37	27
2979-16400	00000/0000	2-10035/0203	09/27/77	20	3651	4607N 10426W	34.4	140.0	GGGG			37	28
2979-16402	00000/0000	2-10035/0204	09/27/77	0	3651	4442N 10459W	35.3	138.8	GFGG			37	29
2979-16405	00000/0000	2-10035/0205	09/27/77	0	3651	4316N 10532W	36.1	137.7	GGGG			37	30
2979-16411	00000/0000	2-10035/0206	09/27/77	10	3651	4150N 10603W	36.9	136.5	GGGG			37	31
2979-16414	00000/0000	2-10035/0207	09/27/77	10	3651	4024N 10633W	37.8	135.3	GGGG			37	32
2979-16420	00000/0000	2-10035/0208	09/27/77	10	3651	3859N 10702W	38.6	134.1	GGGG			37	33
2979-16423	00000/0000	2-10035/0209	09/27/77	20	3651	3733N 10730W	39.3	132.9	GGGG			37	34
2979-16425	00000/0000	2-10035/0210	09/27/77	40	3651	3607N 10758W	40.1	131.6	GGGG			37	35
2979-16432	00000/0000	2-10035/0211	09/27/77	70	3651	3442N 10824W	40.8	130.3	GGGG			37	36
2979-16434	00000/0000	2-10035/0212	09/27/77	50	3651	3316N 10850W	41.5	129.0	GGG			37	37
2979-16441	00000/0000	2-10035/0213	09/27/77	10	3651	3150N 10916W	42.2	127.7	GGGG			37	38
2979-16443	00000/0000	2-10035/0214	09/27/77	10	3651	3023N 10940W	42.9	126.4	GGGG			37	39
2979-16450	00000/0000	2-10035/0215	09/27/77	10	3651	2857N 11003W	43.5	125.0	GGGG			37	40
2980-15025	00000/0000	2-10035/0216	09/28/77	90	3664	4439N 08039W	35.0	139.1	GGGG			20	29
2980-15031	00000/0000	2-10035/0217	09/28/77	60	3664	4314N 08111W	35.8	137.9	GGGG			20	30
2980-15034	00000/0000	2-10035/0218	09/28/77	60	3664	4148N 08141W	36.7	136.8	GGGG			20	31
2980-15040	00000/0000	2-10035/0219	09/28/77	80	3664	4022N 08211W	37.5	135.6	GGGG			20	32
2980-15043	00000/0000	2-10035/0220	09/28/77	80	3664	3857N 08240W	38.3	134.4	GGGG			20	33
2980-15045	00000/0000	2-10035/0221	09/28/77	70	3664	3731N 08308W	39.1	133.2	GGGG			20	34
2980-15052	00000/0000	2-10035/0222	09/28/77	30	3664	3605N 08335W	39.8	132.0	GGGG			20	35
2980-15054	00000/0000	2-10035/0223	09/28/77	10	3664	3439N 08402W	40.6	130.7	GGGG			20	36
2980-15061	00000/0000	2-10035/0224	09/28/77	10	3664	3314N 08427W	41.3	129.4	GGGG			20	37
2980-15063	00000/0000	2-10035/0225	09/28/77	0	3664	3148N 08453W	42.0	128.1	GGGG			20	38
2980-15070	00000/0000	2-10035/0226	09/28/77	10	3664	3021N 08517W	42.7	126.8	GGGG			20	39
2980-15072	00000/0000	2-10035/0227	09/28/77	30	3664	2854N 08541W	43.3	125.4	GGGG			20	40
2980-16445	00000/0000	2-10035/0162	09/28/77	90	3665	4854N 10440W	32.3	142.5	GGGG			38	26
2980-16451	00000/0000	2-10035/0163	09/28/77	60	3665	4729N 10517W	33.2	141.3	GGGG			38	27
2980-16454	00000/0000	2-10035/0164	09/28/77	30	3665	4604N 10552W	34.1	140.2	GGGG			38	28
2980-16460	00000/0000	2-10035/0165	09/28/77	20	3665	4439N 10625W	35.0	139.1	GGGG			38	29
2980-16463	00000/0000	2-10035/0166	09/28/77	10	3665	4314N 10658W	35.8	138.0	GGGG			38	30
2980-16465	00000/0000	2-10035/0167	09/28/77	10	3665	4148N 10729W	36.7	136.8	GGGG			38	31
2980-16472	00000/0000	2-10035/0168	09/28/77	30	3665	4022N 10759W	37.5	135.6	GGGG			38	32
2980-16474	00000/0000	2-10035/0169	09/28/77	20	3665	3856N 10828W	38.3	134.4	GGGG			38	33

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09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0046

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO. MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2980-16481	00000/0000	2-10035/0170	09/28/77	40	3665	3731N	10856W	39.1	133.2	GGGG			38	34
2980-16483	00000/0000	2-10035/0171	09/28/77	40	3665	3606N	10924W	39.8	132.0	GGGG			38	35
2980-16490	00000/0000	2-10035/0172	09/28/77	40	3665	3440N	10951W	40.6	130.7	GGGG			38	36
2980-16492	00000/0000	2-10035/0173	09/28/77	20	3665	3313N	11016W	41.3	129.4	GGGG			38	37
2980-16495	00000/0000	2-10035/0174	09/28/77	10	3665	3146N	11041W	42.0	128.1	GGGG			38	38
2980-16501	00000/0000	2-10035/0175	09/28/77	10	3665	3020N	11105W	42.6	126.8	GGGG			38	39
2981-15074	00000/0000	2-10035/0266	09/29/77	30	3678	4732N	08053W	32.9	141.6	GGGG			21	27
2981-15080	00000/0000	2-10035/0267	09/29/77	60	3678	4607N	08128W	33.8	140.5	GGGG			21	28
2981-15083	00000/0000	2-10035/0268	09/29/77	90	3678	4442N	08202W	34.6	139.4	GGGG			21	29
2981-15085	00000/0000	2-10035/0269	09/29/77	90	3678	4317N	08235W	35.5	138.3	GGGG			21	30
2981-15092	00000/0000	2-10035/0270	09/29/77	90	3678	4151N	08306W	36.4	137.1	GGGG			21	31
2981-15094	00000/0000	2-10035/0271	09/29/77	30	3678	4025N	08336W	37.2	136.0	GGGG			21	32
2981-15101	00000/0000	2-10035/0272	09/29/77	30	3678	3859N	08405W	38.0	134.8	GGGG			21	33
2981-15103	00000/0000	2-10035/0273	09/29/77	50	3678	3734N	08433W	38.8	133.6	GGGG			21	34
2981-15110	00000/0000	2-10035/0274	09/29/77	70	3678	3608N	08500W	39.6	132.4	GGGG			21	35
2981-15112	00000/0000	2-10035/0275	09/29/77	90	3678	3442N	08527W	40.3	131.1	GGGG			21	36
2981-15115	00000/0000	2-10035/0276	09/29/77	90	3678	3316N	08552W	41.0	129.9	GGGG			21	37
2981-15121	00000/0000	2-10035/0277	09/29/77	90	3678	3150N	08617W	41.7	128.6	GGGG			21	38
2981-15124	00000/0000	2-10035/0278	09/29/77	70	3678	3023N	08641W	42.4	127.2	GGGG			21	39
2981-15130	00000/0000	2-10035/0279	09/29/77	30	3678	2857N	08706W	43.1	125.9	GGGG			21	40
2981-15133	00000/0000	2-10035/0280	09/29/77	10	3678	2731N	08729W	43.7	124.5	GGGG			21	41
2981-16503	00000/0000	2-10035/0326	09/29/77	100	3679	4857N	10606W	31.9	142.7	GGGG			39	26
2981-16505	00000/0000	2-10035/0327	09/29/77	90	3679	4732N	10643W	32.8	141.6	GGGG			39	27
2981-16512	00000/0000	2-10035/0328	09/29/77	90	3679	4606N	10718W	33.7	140.5	GGGG			39	28
2981-16514	00000/0000	2-10035/0329	09/29/77	70	3679	4441N	10752W	34.6	139.4	GGGG			39	29
2981-16521	00000/0000	2-10035/0330	09/29/77	60	3679	4315N	10824W	35.5	138.3	GGGG			39	30
2981-16523	00000/0000	2-10035/0331	09/29/77	10	3679	4150N	10855W	36.3	137.2	GGGG			39	31
2981-16530	00000/0000	2-10035/0332	09/29/77	20	3679	4024N	10926W	37.2	136.0	GGGG			39	32
2981-16532	00000/0000	2-10035/0333	09/29/77	70	3679	3858N	10955W	38.0	134.8	GGGG			39	33
2981-16535	00000/0000	2-10035/0334	09/29/77	50	3679	3732N	11023W	38.8	133.6	GGGG			39	34
2981-16541	00000/0000	2-10035/0335	09/29/77	50	3679	3607N	11050W	39.5	132.4	GGGG			39	35
2981-16544	00000/0000	2-10035/0336	09/29/77	10	3679	3441N	11117W	40.3	131.1	GGGG			39	36
2981-16550	00000/0000	2-10035/0337	09/29/77	10	3679	3314N	11143W	41.0	129.9	GGGG			39	37
2981-16553	00000/0000	2-10035/0338	09/29/77	10	3679	3148N	11208W	41.7	128.6	GGGG			39	38
2981-16555	00000/0000	2-10035/0339	09/29/77	0	3679	3022N	11232W	42.4	127.2	GGGG			39	39
2982-15125	00000/0000	2-10035/0281	09/30/77	70	3692	4856N	08144W	31.6	143.0	GGGG			22	26

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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
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09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0047

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2982-15132	00000/0000	2-10035/0282	09/30/77	60	3692	4731N 08221W	32.5	141.9	GGGG			22	27
2982-15134	00000/0000	2-10035/0283	09/30/77	70	3692	4606N 08256W	33.4	140.8	PGGG			22	28
2982-15141	00000/0000	2-10035/0284	09/30/77	60	3692	4440N 08330W	34.3	139.7	GGGG			22	29
2982-15143	00000/0000	2-10035/0285	09/30/77	90	3692	4315N 08403W	35.2	138.6	GPGG			22	30
2982-15150	00000/0000	2-10035/0286	09/30/77	90	3692	4149N 08434W	36.1	137.4	GGGG			22	31
2982-15152	00000/0000	2-10035/0287	09/30/77	10	3692	4023N 08504W	36.9	136.3	GGGG			22	32
2982-15155	00000/0000	2-10035/0288	09/30/77	50	3692	3858N 08533W	37.7	135.1	GGGG			22	33
2982-15161	00000/0000	2-10035/0289	09/30/77	90	3692	3732N 08601W	38.5	133.9	GGGG			22	34
2982-15164	00000/0000	2-10035/0290	09/30/77	90	3692	3606N 08628W	39.3	132.7	GGGG			22	35
2982-15170	00000/0000	2-10035/0291	09/30/77	100	3692	3440N 08654W	40.1	131.5	PGGG			22	36
2982-15173	00000/0000	2-10035/0292	09/30/77	70	3692	3314N 08719W	40.8	130.2	GGGG			22	37
2982-15175	00000/0000	2-10035/0293	09/30/77	50	3692	3149N 08744W	41.5	128.9	GGGG			22	38
2982-15182	00000/0000	2-10035/0294	09/30/77	40	3692	3022N 08809W	42.2	127.6	GGGG			22	39
2982-15184	00000/0000	2-10035/0295	09/30/77	20	3692	2855N 08833W	42.8	126.3	PGGG			22	40
2982-15191	00000/0000	2-10035/0296	09/30/77	20	3692	2728N 08856W	43.5	124.9	GGGG			22	41
2982-16561	00000/0000	2-10035/0312	09/30/77	100	3693	4856N 10731W	31.6	143.0	GGGG			40	26
2982-16564	00000/0000	2-10035/0313	09/30/77	100	3693	4731N 10808W	32.5	141.9	GGGG			40	27
2982-16570	00000/0000	2-10035/0314	09/30/77	90	3693	4606N 10843W	33.4	140.8	GGGG			40	28
2982-16573	00000/0000	2-10035/0315	09/30/77	90	3693	4440N 10917W	34.3	139.7	GGGG			40	29
2982-16575	00000/0000	2-10035/0316	09/30/77	80	3693	4314N 10949W	35.2	138.6	GGGG			40	30
2982-16582	00000/0000	2-10035/0317	09/30/77	70	3693	4149N 11020W	36.0	137.5	GGGG			40	31
2982-16584	00000/0000	2-10035/0318	09/30/77	50	3693	4023N 11050W	36.9	136.3	GGGG			40	32
2982-16591	00000/0000	2-10035/0319	09/30/77	30	3693	3858N 11119W	37.7	135.1	GGGG			40	33
2982-16593	00000/0000	2-10035/0320	09/30/77	20	3693	3732N 11148W	38.5	134.0	GGGG			40	34
2982-17000	00000/0000	2-10035/0321	09/30/77	10	3693	3606N 11215W	39.3	132.8	GGGG			40	35
2982-17002	00000/0000	2-10035/0322	09/30/77	10	3693	3440N 11242W	40.0	131.5	GGGG			40	36
2982-17005	00000/0000	2-10035/0323	09/30/77	0	3693	3313N 11308W	40.8	130.3	GGGG			40	37
2982-17011	00000/0000	2-10035/0324	09/30/77	0	3693	3146N 11334W	41.5	129.0	GGGG			40	38
2982-17014	00000/0000	2-10035/0325	09/30/77	10	3693	3020N 11359W	42.2	127.7	GGGG			40	39
2983-15184	00000/0000	2-10035/0297	10/01/77	20	3706	4854N 08311W	31.3	143.2	GGGG			23	26
2983-15190	00000/0000	2-10035/0298	10/01/77	60	3706	4730N 08348W	32.2	142.1	GGGG			23	27
2983-15193	00000/0000	2-10035/0299	10/01/77	50	3706	4605N 08422W	33.1	141.0	GGGG			23	28
2983-15195	00000/0000	2-10035/0300	10/01/77	90	3706	4439N 08456W	34.0	140.0	GGGG			23	29
2983-15202	00000/0000	2-10035/0301	10/01/77	100	3706	4314N 08528W	34.9	138.9	GGGG			23	30
2983-15204	00000/0000	2-10035/0302	10/01/77	100	3706	4149N 08559W	35.8	137.7	GGGG			23	31
2983-15211	00000/0000	2-10035/0303	10/01/77	90	3706	4023N 08629W	36.6	136.6	GGGG			23	32

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09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0048

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2983-15213	00000/0000	2-10035/0304	10/01/77	60	3706	3857N	08657W	37.4	135.5	GGGG		23	33
2983-15220	00000/0000	2-10035/0308	10/01/77	80	3706	3731N	08725W	38.2	134.3	GGGG		23	34
2983-15222	00000/0000	2-10035/0306	10/01/77	80	3706	3605N	08752W	39.0	133.1	GGGG		23	35
2983-15225	00000/0000	2-10035/0307	10/01/77	80	3706	3439N	08819W	39.8	131.9	GGGG		23	36
2983-15231	00000/0000	2-10035/0308	10/01/77	70	3706	3313N	08845W	40.5	130.6	GGGG		23	37
2983-15234	00000/0000	2-10035/0309	10/01/77	50	3706	3147N	08910W	41.3	129.3	GGGG		23	38
2983-15240	00000/0000	2-10035/0310	10/01/77	40	3706	3021N	08935W	41.9	128.0	GGGG		23	39
2983-15243	00000/0000	2-10035/0311	10/01/77	20	3706	2855N	08959W	42.6	126.7	GGGG		23	40
2983-17015	00000/0000	2-10035/0340	10/01/77	90	3707	4855N	10858W	31.3	143.2	GGGG		41	26
2983-17022	00000/0000	2-10035/0341	10/01/77	90	3707	4730N	10935W	32.2	142.1	GGGG		41	27
2983-17024	00000/0000	2-10035/0342	10/01/77	90	3707	4605N	11010W	33.1	141.1	GGGG		41	28
2983-17031	00000/0000	2-10035/0343	10/01/77	80	3707	4440N	11043W	34.0	140.0	GGGG		41	29
2983-17033	00000/0000	2-10035/0344	10/01/77	60	3707	4314N	11115W	34.9	138.9	GGGG		41	30
2983-17040	00000/0000	2-10035/0345	10/01/77	40	3707	4148N	11147W	35.8	137.8	GGGG		41	31
2983-17042	00000/0000	2-10035/0346	10/01/77	10	3707	4023N	11217W	36.6	136.6	GGGG		41	32
2983-17045	00000/0000	2-10035/0347	10/01/77	10	3707	3858N	11246W	37.4	135.5	GGGG		41	33
2983-17051	00000/0000	2-10035/0348	10/01/77	0	3707	3732N	11314W	38.2	134.3	GGGG		41	34
2983-17054	00000/0000	2-10035/0349	10/01/77	0	3707	3605N	11341W	39.0	133.1	GGGG		41	35
2983-17060	00000/0000	2-10035/0350	10/01/77	0	3707	3439N	11408W	39.8	131.9	GGFG		41	36
2983-17063	00000/0000	2-10035/0351	10/01/77	0	3707	3313N	11434W	40.5	130.6	GGGG		41	37
2983-17065	00000/0000	2-10035/0352	10/01/77	0	3707	3147N	11459W	41.2	129.4	GGGG		41	38
2984-15242	00000/0000	2-10035/0366	10/02/77	10	3720	4854N	08436W	31.0	143.5	GGGG		24	26
2984-15244	00000/0000	2-10035/0367	10/02/77	10	3720	4729N	08512W	31.9	142.4	GGGG		24	27
2984-15251	00000/0000	2-10035/0368	10/02/77	20	3720	4604N	08547W	32.8	141.3	GGGG		24	28
2984-15253	00000/0000	2-10035/0369	10/02/77	40	3720	4438N	08621W	33.7	140.2	GGGG		24	29
2984-15260	00000/0000	2-10035/0370	10/02/77	40	3720	4313N	08653W	34.6	139.1	GGGG		24	30
2984-15262	00000/0000	2-10035/0371	10/02/77	30	3720	4148N	08723W	35.5	138.0	GGGG		24	31
2984-15265	00000/0000	2-10035/0372	10/02/77	50	3720	4022N	08753W	36.3	136.9	GGGG		24	32
2984-15271	00000/0000	2-10035/0373	10/02/77	60	3720	3856N	08822W	37.2	135.8	GGGG		24	33
2984-15274	00000/0000	2-10035/0374	10/02/77	70	3720	3730N	08850W	38.0	134.6	GGFG		24	34
2984-15280	00000/0000	2-10035/0375	10/02/77	80	3720	3604N	08918W	38.8	133.4	GGFG		24	35
2984-15283	00000/0000	2-10035/0376	10/02/77	90	3720	3439N	08944W	39.5	132.2	GGFG		24	36
2984-15285	00000/0000	2-10035/0377	10/02/77	90	3720	3314N	09010W	40.3	131.0	GGFG		24	37
2984-15292	00000/0000	2-10035/0378	10/02/77	90	3720	3148N	09035W	41.0	129.7	GGGG		24	38
2984-15294	00000/0000	2-10035/0379	10/02/77	60	3720	3021N	09100W	41.7	128.4	GGGG		24	39
2984-15301	00000/0000	2-10035/0380	10/02/77	50	3720	2854N	09125W	42.4	127.1	GGGG		24	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
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FROM 10/01/77 TO 10/31/77

PAGE 0049

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2984-17073	00000/0000	2-10035/0401	10/02/77	20	3721	4854N 11026W	31.0	143.5	GGGG			42	26
2984-17080	00000/0000	2-10035/0402	10/02/77	40	3721	4729N 11103W	31.9	142.4	FGGG			42	27
2984-17082	00000/0000	2-10035/0403	10/02/77	50	3721	4604N 11138W	32.8	141.3	GGGG			42	28
2984-17085	00000/0000	2-10035/0404	10/02/77	30	3721	4439N 11212W	33.7	140.2	FGGG			42	29
2984-17091	00000/0000	2-10035/0405	10/02/77	10	3721	4313N 11244W	34.6	139.2	FGGG			42	30
2984-17094	00000/0000	2-10035/0406	10/02/77	10	3721	4147N 11315W	35.5	138.1	GGGG			42	31
2984-17100	00000/0000	2-10035/0407	10/02/77	0	3721	4021N 11345W	36.3	136.9	FGGG			42	32
2984-17103	00000/0000	2-10035/0408	10/02/77	0	3721	3856N 11414W	37.1	135.8	GGGG			42	33
2984-17105	00000/0000	2-10035/0409	10/02/77	0	3721	3731N 11442W	38.0	134.6	FGGG			42	34
2984-17112	00000/0000	2-10035/0410	10/02/77	0	3721	3605N 11509W	38.7	133.5	GGGG			42	35
2984-17114	00000/0000	2-10035/0411	10/02/77	0	3721	3438N 11536W	39.5	132.2	GGGG			42	36
2984-17121	00000/0000	2-10035/0412	10/02/77	10	3721	3312N 11602W	40.3	131.0	GGGG			42	37
2984-17123	00000/0000	2-10035/0413	10/02/77	40	3721	3146N 11627W	41.0	129.8	GGGG			42	38
2985-15300	00000/0000	2-10035/0426	10/03/77	20	3734	4858N 08600W	30.6	143.7	GGGG			25	26
2985-15302	00000/0000	2-10035/0427	10/03/77	30	3734	4733N 08636W	31.6	142.7	GGFG			25	27
2985-15305	00000/0000	2-10035/0428	10/03/77	0	3734	4607N 08711W	32.5	141.6	GGFG			25	28
2985-15311	00000/0000	2-10035/0429	10/03/77	0	3734	4442N 08744W	33.4	140.5	GGGG			25	29
2985-15314	00000/0000	2-10035/0430	10/03/77	10	3734	4317N 08817W	34.3	139.5	GGGG			25	30
2985-15320	00000/0000	2-10035/0431	10/03/77	0	3734	4151N 08848W	35.1	138.4	GGGG			25	31
2985-15323	00000/0000	2-10035/0432	10/03/77	0	3734	4025N 08918W	36.0	137.3	FGGG			25	32
2985-15325	00000/0000	2-10035/0433	10/03/77	0	3734	3900N 08947W	36.8	136.1	GGGG			25	33
2985-15332	00000/0000	2-10035/0434	10/03/77	0	3734	3734N 09015W	37.7	135.0	GGGG			25	34
2985-15334	00000/0000	2-10035/0435	10/03/77	0	3734	3607N 09042W	38.5	133.8	GGGG			25	35
2985-15341	00000/0000	2-10035/0436	10/03/77	10	3734	3442N 09109W	39.2	132.6	GGFG			25	36
2985-15343	00000/0000	2-10035/0437	10/03/77	0	3734	3316N 09135W	40.0	131.4	GGGG			25	37
2985-15350	00000/0000	2-10035/0438	10/03/77	10	3734	3150N 09200W	40.7	130.2	GGGG			25	38
2985-15352	00000/0000	2-10035/0439	10/03/77	10	3734	3024N 09225W	41.4	128.9	GGGG			25	39
2985-17131	00000/0000	2-10035/0440	10/03/77	80	3735	4857N 11150W	30.6	143.7	GGGG			43	26
2985-17134	00000/0000	2-10035/0441	10/03/77	70	3735	4731N 11227W	31.5	142.7	GGGG			43	27
2985-17140	00000/0000	2-10035/0442	10/03/77	70	3735	4606N 11302W	32.5	141.6	GGGG			43	28
2985-17143	00000/0000	2-10035/0443	10/03/77	10	3735	4441N 11336W	33.4	140.6	GGGG			43	29
2985-17145	00000/0000	2-10035/0444	10/03/77	0	3735	4316N 11408W	34.3	139.5	GGGG			43	30
2985-17152	00000/0000	2-10035/0445	10/03/77	0	3735	4150N 11439W	35.1	138.4	GGGG			43	31
2985-17154	00000/0000	2-10035/0446	10/03/77	0	3735	4025N 11509W	36.0	137.3	GGGG			43	32
2985-17161	00000/0000	2-10035/0447	10/03/77	0	3735	3859N 11538W	36.8	136.2	FGGG			43	33
2985-17163	00000/0000	2-10035/0448	10/03/77	0	3735	3733N 11606W	37.6	135.0	GGGG			43	34

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09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0050

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2985-17170	00000/0000 2=10035/0449	10/03/77	0	3735	3606N 11634W	38.4	133.8	GGGG			43	35
2985-17172	00000/0000 2=10035/0450	10/03/77	0	3735	3441N 11700W	39.2	132.7	GGGF			43	36
2985-17175	00000/0000 2=10035/0451	10/03/77	30	3735	3315N 11726W	40.0	131.4	GGGG			43	37
2985-17181	00000/0000 2=10035/0452	10/03/77	70	3735	3149N 11751W	40.7	130.2	GGFG			43	38
2986-15360	00000/0000 2=10035/0642	10/04/77	20	3748	4732N 08805W	31.2	142.9	GGGG			26	27
2986-15363	00000/0000 2=10035/0643	10/04/77	10	3748	4606N 08840W	32.2	141.9	FFGG			26	28
2986-15365	00000/0000 2=10035/0644	10/04/77	0	3748	4441N 08914W	33.1	140.8	GGGG			26	29
2986-15372	00000/0000 2=10035/0645	10/04/77	10	3748	4315N 08946W	34.0	139.7	GGGG			26	30
2986-15374	00000/0000 2=10035/0646	10/04/77	0	3748	4150N 09017W	34.8	138.7	GGGG			26	31
2986-15381	00000/0000 2=10035/0647	10/04/77	10	3748	4024N 09046W	35.7	137.6	GGGG			26	32
2986-15383	00000/0000 2=10035/0648	10/04/77	10	3748	3859N 09114W	36.6	136.5	GGGG			26	33
2986-15390	00000/0000 2=10035/0649	10/04/77	10	3748	3733N 09142W	37.4	135.3	GGGG			26	34
2986-15392	00000/0000 2=10035/0650	10/04/77	20	3748	3607N 09209W	38.2	134.2	GGFG			26	35
2986-15395	00000/0000 2=10035/0651	10/04/77	30	3748	3441N 09236W	39.0	133.0	GGG			26	36
2986-15401	00000/0000 2=10035/0652	10/04/77	30	3748	3316N 09302W	39.7	131.8	GGGG			26	37
2986-15404	00000/0000 2=10035/0653	10/04/77	20	3748	3150N 09327W	40.5	130.6	FFFF			26	38
2986-15410	00000/0000 2=10035/0762	10/04/77	10	3748	3023N 09352W	41.2	129.3	GGG			26	39
2986-15413	00000/0000 2=10035/0763	10/04/77	30	3748	2857N 09416W	41.9	128.0	GGGG			26	40
2986-15415	00000/0000 2=10035/0764	10/04/77	40	3748	2730N 09440W	42.6	126.7	GGGG			26	41
2986-15422	00000/0000 2=10035/0765	10/04/77	40	3748	2603N 09503W	43.2	125.3	GGGG			26	42
2986-15424	00000/0000 2=10035/0766	10/04/77	40	3748	2437N 09526W	43.8	124.0	GGGG			26	43
2986-17185	00000/0000 2=10035/0686	10/04/77	60	3749	4855N 11317W	30.3	144.0	GGGG			44	26
2986-17192	00000/0000 2=10035/0687	10/04/77	10	3749	4730N 11354W	31.2	142.9	GGGG			44	27
2986-17194	00000/0000 2=10035/0688	10/04/77	0	3749	4605N 11429W	32.1	141.9	GGGG			44	28
2986-17201	00000/0000 2=10035/0689	10/04/77	10	3749	4440N 11503W	33.1	140.8	GGGG			44	29
2986-17203	00000/0000 2=10035/0690	10/04/77	0	3749	4315N 11535W	33.9	139.8	GGGG			44	30
2986-17210	00000/0000 2=10035/0691	10/04/77	0	3749	4150N 11606W	34.8	138.7	GGGF			44	31
2986-17212	00000/0000 2=10035/0692	10/04/77	0	3749	4024N 11636W	35.7	137.6	GGG			44	32
2986-17215	00000/0000 2=10035/0693	10/04/77	0	3749	3857N 11706W	36.5	136.5	GGGG			44	33
2986-17221	00000/0000 2=10035/0694	10/04/77	10	3749	3731N 11734W	37.4	135.3	GGGG			44	34
2986-17224	00000/0000 2=10035/0695	10/04/77	50	3749	3606N 11801W	38.2	134.2	GGGG			44	35
2986-17230	00000/0000 2=10035/0696	10/04/77	50	3749	3440N 11828W	39.0	133.0	GGGG			44	36
2986-17233	00000/0000 2=10035/0697	10/04/77	30	3749	3314N 11854W	39.7	131.8	GGGF			44	37
2987-15412	00000/0000 2=10035/0513	10/05/77	60	3762	4856N 08855W	30.0	144.2	GGGG			27	26
2987-15414	00000/0000 2=10035/0514	10/05/77	50	3762	4731N 08931W	30.9	143.2	GGGG			27	27
2987-15421	00000/0000 2=10035/0515	10/05/77	10	3762	4606N 09006W	31.8	142.1	GGGG			27	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0051

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS- DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2987-15423	00000/0000	2-10035/0516	10/05/77	10	3762	4441N 09039W	32.8	141.1	GGGG			27	29
2987-15430	00000/0000	2-10035/0517	10/05/77	20	3762	4315N 09111W	33.7	140.0	GGGG			27	30
2987-15432	00000/0000	2-10035/0518	10/05/77	60	3762	4150N 09142W	34.5	139.0	GGGG			27	31
2987-15435	00000/0000	2-10035/0519	10/05/77	70	3762	4024N 09211W	35.4	137.9	GFGG			27	32
2987-15441	00000/0000	2-10035/0520	10/05/77	90	3762	3858N 09240W	36.3	136.8	FGGG			27	33
2987-15444	00000/0000	2-10035/0521	10/05/77	90	3762	3733N 09308W	37.1	135.7	GFGG			27	34
2987-15450	00000/0000	2-10035/0522	10/05/77	90	3762	3607N 09336W	37.9	134.5	GGFG			27	35
2987-15463	00000/0000	2-10035/0523	10/05/77	90	3762	3441N 09403W	38.7	133.3	GGFG			27	36
2987-15455	00000/0000	2-10035/0524	10/05/77	90	3762	3315N 09429W	39.5	132.2	GGGG			27	37
2987-15462	00000/0000	2-10035/0525	10/05/77	80	3762	3149N 09454W	40.2	130.9	GGGG			27	38
2987-15464	00000/0000	2-10035/0553	10/05/77	50	3762	3022N 09519W	41.0	129.7	GGGG			27	39
2987-15471	00000/0000	2-10035/0554	10/05/77	20	3762	2856N 09543W	41.7	128.4	GFGG			27	40
2987-15473	00000/0000	2-10035/0555	10/05/77	30	3762	2729N 09607W	42.3	127.1	GGGF			27	41
2987-15480	00000/0000	2-10035/0556	10/05/77	10	3762	2602N 09630W	43.0	125.8	GGGF			27	42
2987-15482	00000/0000	2-10035/0557	10/05/77	10	3762	2435N 09654W	43.6	124.4	GGGF			27	43
2987-17243	00000/0000	2-10035/0582	10/05/77	60	3763	4855N 11442W	30.0	144.2	GGFF			45	26
2987-17250	00000/0000	2-10035/0583	10/05/77	70	3763	4730N 11519W	30.9	143.2	GGGF			45	27
2987-17252	00000/0000	2-10035/0584	10/05/77	80	3763	4605N 11554W	31.8	142.1	GGGF			45	28
2987-17255	00000/0000	2-10035/0585	10/05/77	50	3763	4440N 11627W	32.7	141.1	GGGG			45	29
2987-17261	00000/0000	2-10035/0586	10/05/77	40	3763	4314N 11700W	33.6	140.0	GGGG			45	30
2987-17264	00000/0000	2-10035/0587	10/05/77	20	3763	4149N 11732W	34.5	139.0	GGGG			45	31
2987-17270	00000/0000	2-10035/0588	10/05/77	10	3763	4023N 11802W	35.4	137.9	GGGG			45	32
2987-17273	00000/0000	2-10035/0589	10/05/77	10	3763	3858N 11831W	36.2	136.8	GGGG			45	33
2987-17275	00000/0000	2-10035/0590	10/05/77	30	3763	3732N 11859W	37.1	135.7	GGGG			45	34
2987-17282	00000/0000	2-10035/0591	10/05/77	20	3763	3606N 11926W	37.9	134.5	GGGG			45	35
2987-17284	00000/0000	2-10035/0592	10/05/77	30	3763	3439N 11952W	38.7	133.4	GGGF			45	36
2987-17291	00000/0000	2-10035/0593	10/05/77	40	3763	3313N 12017W	39.5	132.2	GGFG			45	37
2988-15470	00000/0000	2-10035/0558	10/06/77	80	3776	4856N 09018W	29.6	144.4	GGGG			28	26
2988-15472	00000/0000	2-10035/0559	10/06/77	70	3776	4731N 09054W	30.6	143.4	FGGG			28	27
2988-15475	00000/0000	2-10035/0560	10/06/77	60	3776	4605N 09130W	31.5	142.4	GGGG			28	28
2988-15481	00000/0000	2-10035/0561	10/06/77	70	3776	4440N 09204W	32.4	141.3	GGGG			28	29
2988-15484	00000/0000	2-10035/0562	10/06/77	40	3776	4314N 09237W	33.4	140.3	FGGG			28	30
2988-15490	00000/0000	2-10035/0563	10/06/77	10	3776	4149N 09308W	34.2	139.2	GGGG			28	31
2988-15493	00000/0000	2-10035/0564	10/06/77	10	3776	4024N 09337W	35.1	138.2	GGGG			28	32
2988-15495	00000/0000	2-10035/0565	10/06/77	30	3776	3858N 09406W	36.0	137.1	GGGG			28	33
2988-15502	00000/0000	2-10035/0566	10/06/77	80	3776	3731N 09435W	36.8	136.0	GGGG			28	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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LANDSAT-2
OBSERVATION ID LISTING
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FROM 10/01/77 TO 10/31/77

PAGE 0052

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2988-15504	00000/0000	2-10035/0567	10/06/77	90	3776	3605N	09502W	37.6	134.8	GGGG			28	35
2988-15511	00000/0000	2-10035/0568	10/06/77	90	3776	3439N	09529W	38.4	133.7	GGGG			28	36
2988-15513	00000/0000	2-10035/0569	10/06/77	70	3776	3314N	09555W	39.2	132.5	GGGG			28	37
2988-15520	00000/0000	2-10035/0564	10/06/77	90	3776	3147N	09620W	40.0	131.3	GGGG			28	38
2988-15522	00000/0000	2-10035/0565	10/06/77	80	3776	3021N	09645W	40.7	130.1	GGGG			28	39
2988-15525	00000/0000	2-10035/0566	10/06/77	20	3776	2854N	09709W	41.4	128.8	GGGG			28	40
2988-15531	00000/0000	2-10035/0567	10/06/77	30	3776	2728N	09733W	42.1	127.5	GGGG			28	41
2988-15534	00000/0000	2-10035/0568	10/06/77	20	3776	2602N	09757W	42.8	126.2	GGGG			28	42
2988-17302	00000/0000	2-10035/0570	10/06/77	10	3777	4854N	11610W	29.6	144.4	GGG			46	26
2988-17304	00000/0000	2-10035/0571	10/06/77	40	3777	4729N	11646W	30.6	143.4	GFGG			46	27
2988-17311	00000/0000	2-10035/0572	10/06/77	80	3777	4604N	11721W	31.5	142.4	GGG			46	28
2988-17313	00000/0000	2-10035/0573	10/06/77	60	3777	4439N	11755W	32.4	141.4	GGGG			46	29
2988-17320	00000/0000	2-10035/0574	10/06/77	70	3777	4314N	11828W	33.3	140.3	GGGG			46	30
2988-17322	00000/0000	2-10035/0575	10/06/77	60	3777	4148N	11859W	34.2	139.3	FGGG			46	31
2988-17325	00000/0000	2-10035/0576	10/06/77	50	3777	4022N	11929W	35.1	138.2	GGGG			46	32
2988-17331	00000/0000	2-10035/0577	10/06/77	40	3777	3857N	11958W	36.0	137.1	GGGG			46	33
2988-17334	00000/0000	2-10035/0578	10/06/77	30	3777	3731N	12026W	36.8	136.0	GGGG			46	34
2988-17340	00000/0000	2-10035/0579	10/06/77	10	3777	3605N	12053W	37.6	134.9	GGGG			46	35
2988-17343	00000/0000	2-10035/0580	10/06/77	40	3777	3438N	12120W	38.4	133.7	GGGG			46	36
2988-17345	00000/0000	2-10035/0581	10/06/77	60	3777	3312N	12145W	39.2	132.5	GGGG			46	37
2989-15524	00000/0000	2-10035/0526	10/07/77	100	3790	4855N	09148W	29.3	144.6	GGGG			29	26
2989-15531	00000/0000	2-10035/0527	10/07/77	100	3790	4730N	09223W	30.3	143.6	GGGG			29	27
2989-15533	00000/0000	2-10035/0528	10/07/77	100	3790	4605N	09258W	31.2	142.6	GGGG			29	28
2989-15540	00000/0000	2-10035/0529	10/07/77	100	3790	4439N	09332W	32.1	141.6	GGGF			29	29
2989-15542	00000/0000	2-10035/0530	10/07/77	100	3790	4313N	09404W	33.0	140.6	GGGG			29	30
2989-15545	00000/0000	2-10035/0531	10/07/77	100	3790	4148N	09436W	33.9	139.5	GGGG			29	31
2989-15551	00000/0000	2-10035/0532	10/07/77	100	3790	4022N	09506W	34.8	138.5	GGGG			29	32
2989-15554	00000/0000	2-10035/0533	10/07/77	100	3790	3856N	09535W	35.7	137.4	GGGG			29	33
2989-15560	00000/0000	2-10035/0534	10/07/77	90	3790	3731N	09603W	36.5	136.3	GGFG			29	34
2989-15563	00000/0000	2-10035/0535	10/07/77	90	3790	3605N	09630W	37.4	135.2	GGFG			29	35
2989-15565	00000/0000	2-10035/0536	10/07/77	90	3790	3439N	09657W	38.2	134.0	GGGG			29	36
2989-15572	00000/0000	2-10035/0608	10/07/77	90	3790	3312N	09722W	39.0	132.9	GGGG			29	37
2989-15574	00000/0000	2-10035/0609	10/07/77	80	3790	3146N	09748W	39.7	131.7	GGGG			29	38
2989-15581	00000/0000	2-10035/0610	10/07/77	40	3790	3020N	09812W	40.5	130.5	GGGG			29	39
2989-15583	00000/0000	2-10035/0611	10/07/77	40	3790	2853N	09836W	41.2	129.2	GGGG			29	40
2989-15590	00000/0000	2-10035/0612	10/07/77	60	3790	2727N	09859W	41.9	127.9	GGGG			29	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OF POOR QUALITY

09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0053

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2989-15592	00000/0000	2-10035/0613	10/07/77	30	3790	2602N	09923W	42.6	126.6	GGGG			29	42
2989-17360	00000/0000	2-10035/0614	10/07/77	80	3791	4854N	11735W	29.3	144.7	GGGG			47	26
2989-17362	00000/0000	2-10035/0615	10/07/77	50	3791	4729N	11811W	30.3	143.6	GGGG			47	27
2989-17365	00000/0000	2-10035/0616	10/07/77	80	3791	4604N	11846W	31.2	142.6	GGGG			47	28
2989-17371	00000/0000	2-10035/0617	10/07/77	80	3791	4439N	11920W	32.1	141.6	GGGG			47	29
2989-17374	00000/0000	2-10035/0618	10/07/77	50	3791	4313N	11952W	33.0	140.6	GGGG			47	30
2989-17380	00000/0000	2-10035/0619	10/07/77	20	3791	4147N	12023W	33.9	139.5	GGGG			47	31
2989-17383	00000/0000	2-10035/0620	10/07/77	0	3791	4022N	12054W	34.8	138.5	GGGG			47	32
2989-17385	00000/0000	2-10035/0621	10/07/77	0	3791	3856N	12123W	35.7	137.4	GGFG			47	33
2989-17392	00000/0000	2-10035/0622	10/07/77	10	3791	3730N	12152W	36.5	136.3	GGGG			47	34
2989-17394	00000/0000	2-10035/0623	10/07/77	10	3791	3604N	12220W	37.3	135.2	GGGG			47	35
2989-17401	00000/0000	2-10035/0624	10/07/77	30	3791	3438N	12247W	38.2	134.1	GGGG			47	36
2990-14153	00000/0000	2-10035/0677	10/08/77	10	3803	4730N	06757W	30.0	143.9	GGGG			12	27
2990-14160	00000/0000	2-10035/0678	10/08/77	0	3803	4605N	06833W	30.9	142.8	GGGG			12	28
2990-14162	00000/0000	2-10035/0679	10/08/77	10	3803	4439N	06907W	31.8	141.8	GGGG			12	29
2990-14165	00000/0000	2-10035/0680	10/08/77	40	3803	4314N	06940W	32.8	140.8	GGGG			12	30
2990-14171	00000/0000	2-10035/0681	10/08/77	60	3803	4147N	07011W	33.7	139.8	GGGG			12	31
2990-14174	00000/0000	2-10035/0682	10/08/77	90	3803	4022N	07042W	34.5	138.7	GGGG			12	32
2990-14180	00000/0000	2-10035/0683	10/08/77	90	3803	3856N	07111W	35.4	137.7	GGGG			12	33
2990-14183	00000/0000	2-10035/0684	10/08/77	80	3803	3730N	07139W	36.3	136.6	GGGG			12	34
2990-14185	00000/0000	2-10035/0685	10/08/77	50	3803	3604N	07206W	37.1	135.5	GGGG			12	35
2990-15582	00000/0000	2-10035/0486	10/08/77	90	3804	4854N	09312W	29.0	144.9	GGG			30	26
2990-15585	00000/0000	2-10035/0487	10/08/77	90	3804	4729N	09349W	29.9	143.9	PGGG			30	27
2990-15591	00000/0000	2-10035/0488	10/08/77	100	3804	4603N	09424W	30.9	142.9	GGGG			30	28
2990-15594	00000/0000	2-10035/0489	10/08/77	100	3804	4438N	09457W	31.8	141.8	GGGG			30	29
2990-16000	00000/0000	2-10035/0490	10/08/77	100	3804	4313N	09530W	32.7	140.8	GGGG			30	30
2990-16003	00000/0000	2-10035/0491	10/08/77	90	3804	4147N	09601W	33.6	139.8	GGGG			30	31
2990-16005	00000/0000	2-10035/0492	10/08/77	60	3804	4022N	09631W	34.5	138.8	GGGG			30	32
2990-16012	00000/0000	2-10035/0493	10/08/77	10	3804	3855N	09700W	35.4	137.7	GGFG			30	33
2990-16014	00000/0000	2-10035/0494	10/08/77	30	3804	3730N	09728W	36.2	136.6	GGGG			30	34
2990-16021	00000/0000	2-10035/0495	10/08/77	60	3804	3604N	09755W	37.1	135.5	GGGF			30	35
2990-16023	00000/0000	2-10035/0496	10/08/77	40	3804	3438N	09822W	37.9	134.4	GGGG			30	36
2990-16030	00000/0000	2-10035/0497	10/08/77	50	3804	3312N	09848W	38.7	133.2	GGGG			30	37
2990-16032	00000/0000	2-10035/0498	10/08/77	70	3804	3146N	09913W	39.5	132.1	GGGG			30	38
2990-16035	00000/0000	2-10035/0499	10/08/77	70	3804	3019N	09937W	40.2	130.8	GGGG			30	39
2990-16041	00000/0000	2-10035/0500	10/08/77	40	3804	2853N	10001W	41.0	129.6	GGGG			30	40

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09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0054

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2990-16044	00000/0000	2-10035/0501	10/08/77	40	3804 2727N	10024W	41.7 128.4	GGGG			30	41
2990-16050	00000/0000	2-10035/0502	10/08/77	10	3804 2601N	10048W	42.3 127.1	FGGG			30	42
2990-17414	00000/0000	2-10035/0503	10/08/77	90	3805 4853N	11903W	29.0 144.9	GGGG			48	26
2990-17420	00000/0000	2-10035/0504	10/08/77	80	3805 4728N	11939W	29.9 143.9	GGGG			48	27
2990-17423	00000/0000	2-10035/0505	10/08/77	40	3805 4603N	12014W	30.9 142.9	GGGG			48	28
2990-17425	00000/0000	2-10035/0506	10/08/77	10	3805 4438N	12048W	31.8 141.9	GGGG			48	29
2990-17432	00000/0000	2-10035/0507	10/08/77	10	3805 4312N	12120W	32.7 140.8	GFGG			48	30
2990-17434	00000/0000	2-10035/0508	10/08/77	10	3805 4147N	12161W	33.6 139.8	GGGG			48	31
2990-17441	00000/0000	2-10035/0509	10/08/77	0	3805 4022N	12222W	34.5 138.8	GGGF			48	32
2990-17443	00000/0000	2-10035/0510	10/08/77	20	3805 3856N	12251W	35.4 137.7	FGGG			48	33
2990-17450	00000/0000	2-10035/0511	10/08/77	30	3805 3730N	12319W	36.2 136.6	GGGG			48	34
2990-17452	00000/0000	2-10035/0512	10/08/77	10	3805 3603N	12347W	37.1 135.5	GGGF			48	35
2991-14211	00000/0000	2-10035/0732	10/09/77	100	3817 4729N	06927W	29.6 144.1	GGGG			13	27
2991-14214	00000/0000	2-10035/0733	10/09/77	100	3817 4604N	07001W	30.6 143.1	GGGG			13	28
2991-14220	00000/0000	2-10035/0734	10/09/77	100	3817 4439N	07034W	31.5 142.1	GGGG			13	29
2991-14223	00000/0000	2-10035/0735	10/09/77	100	3817 4313N	07106W	32.4 141.1	GGGG			13	30
2991-14225	00000/0000	2-10035/0736	10/09/77	100	3817 4148N	07137W	33.4 140.1	GGGG			13	31
2991-14232	00000/0000	2-10035/0737	10/09/77	100	3817 4021N	07208W	34.2 139.0	GGGG			13	32
2991-14234	00000/0000	2-10035/0738	10/09/77	100	3817 3855N	07238W	35.1 138.0	GGGG			13	33
2991-14241	00000/0000	2-10035/0739	10/09/77	100	3817 3729N	07306W	36.0 136.9	GGGG			13	34
2991-14243	00000/0000	2-10035/0740	10/09/77	90	3817 3604N	07333W	36.8 135.8	GGGG			13	35
2991-14250	00000/0000	2-10035/0741	10/09/77	60	3817 3437N	07359W	37.6 134.7	GGGG			13	36
2991-14252	00000/0000	2-10035/0742	10/09/77	40	3817 3311N	07425W	38.4 133.6	GGGG			13	37
2991-14255	00000/0000	2-10035/0743	10/09/77	30	3817 3146N	07451W	39.2 132.4	GGGG			13	38
2991-16040	00000/0000	2-10035/0807	10/09/77	50	3818 4854N	09439W	28.7 145.1	GGGG			31	26
2991-16043	00000/0000	2-10035/0808	10/09/77	50	3818 4729N	09515W	29.6 144.1	GGGG			31	27
2991-16045	00000/0000	2-10035/0809	10/09/77	20	3818 4603N	09550W	30.6 143.1	GGGG			31	28
2991-16052	00000/0000	2-10035/0810	10/09/77	10	3818 4438N	09623W	31.5 142.1	GGGG			31	29
2991-16054	00000/0000	2-10035/0811	10/09/77	10	3818 4313N	09656W	32.4 141.1	GGGG			31	30
2991-16061	00000/0000	2-10035/0812	10/09/77	30	3818 4147N	09727W	33.3 140.1	GFGG			31	31
2991-16063	00000/0000	2-10035/0813	10/09/77	10	3818 4022N	09757W	34.2 139.0	GGGG			31	32
2991-16070	00000/0000	2-10035/0814	10/09/77	0	3818 3855N	09826W	35.1 138.0	FGGG			31	33
2991-16072	00000/0000	2-10035/0815	10/09/77	10	3818 3730N	09855W	36.0 136.9	GGGG			31	34
2991-16075	00000/0000	2-10035/0816	10/09/77	20	3818 3604N	09923W	36.8 135.8	GGGG			31	35
2991-16081	00000/0000	2-10035/0817	10/09/77	60	3818 3438N	09949W	37.6 134.7	GGGG			31	36
2991-16084	00000/0000	2-10035/0818	10/09/77	50	3818 3312N	10015W	38.4 133.6	GGGG			31	37

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09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0055

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2991-16090	00000/0000	2-10035/0819	10/09/77	70	3818	3146N 10040W	39.2	132.4	GGGG			31	38
2991-16093	00000/0000	2-10035/0820	10/09/77	70	3818	3020N 10104W	40.0	131.2	GGGG			31	39
2991-16095	00000/0000	2-10035/0821	10/09/77	70	3818	2853N 10127W	40.7	130.0	GGGG			31	40
2991-16102	00000/0000	2-10035/0822	10/09/77	80	3818	2727N 10151W	41.4	128.8	GGGG			31	41
2991-17472	00000/0000	2-10035/0823	10/09/77	80	3819	4853N 12029W	28.6	145.1	GGGG			49	26
2991-17474	00000/0000	2-10035/0824	10/09/77	50	3819	4727N 12105W	29.6	144.1	GGGG			49	27
2991-17481	00000/0000	2-10035/0825	10/09/77	40	3819	4602N 12140W	30.6	143.1	GGGG			49	28
2991-17483	00000/0000	2-10035/0826	10/09/77	20	3819	4437N 12213W	31.5	142.1	GGGG			49	29
2991-17490	00000/0000	2-10035/0827	10/09/77	30	3819	4311N 12245W	32.4	141.1	GGGG			49	30
2991-17492	00000/0000	2-10035/0828	10/09/77	10	3819	4146N 12316W	33.3	140.1	GGGG			49	31
2991-17495	00000/0000	2-10035/0829	10/09/77	20	3819	4020N 12347W	34.2	139.0	GGGG			49	32
2991-17501	00000/0000	2-10035/0830	10/09/77	40	3819	3854N 12416W	35.1	138.0	GGFG			49	33
2991-17504	00000/0000	2-10035/0831	10/09/77	40	3819	3729N 12444W	35.9	136.9	GGGG			49	34
2992-14265	00000/0000	2-10035/0744	10/10/77	90	3831	4728N 07051W	29.3	144.3	GGGG			14	27
2992-14272	00000/0000	2-10035/0745	10/10/77	90	3831	4603N 07126W	30.3	143.3	GGGG			14	28
2992-14274	00000/0000	2-10035/0746	10/10/77	90	3831	4438N 07200W	31.2	142.3	GGGG			14	29
2992-14281	00000/0000	2-10035/0747	10/10/77	90	3831	4312N 07232W	32.1	141.3	GGGG			14	30
2992-14283	00000/0000	2-10035/0748	10/10/77	80	3831	4146N 07303W	33.0	140.3	GGGG			14	31
2992-14290	00000/0000	2-10035/0749	10/10/77	20	3831	4020N 07334W	33.9	139.3	GGGG			14	32
2992-14292	00000/0000	2-10035/0750	10/10/77	10	3831	3854N 07403W	34.8	138.3	GGGG			14	33
2992-14295	00000/0000	2-10035/0751	10/10/77	30	3831	3729N 07432W	35.7	137.2	GGGG			14	34
2992-14301	00000/0000	2-10035/0752	10/10/77	40	3831	3603N 07500W	36.5	136.1	GGGF			14	35
2992-14304	00000/0000	2-10035/0753	10/10/77	40	3831	3437N 07526W	37.4	135.0	GGGG			14	36
2992-14310	00000/0000	2-10035/0754	10/10/77	50	3831	3311N 07551W	38.2	133.9	GGGG			14	37
2992-14313	00000/0000	2-10035/0755	10/10/77	70	3831	3145N 07616W	39.0	132.7	GGGG			14	38
2992-14315	00000/0000	2-10035/0758	10/10/77	70	3831	3019N 07641W	39.7	131.6	GG			14	39
2992-14322	00000/0000	2-10035/0756	10/10/77	30	3831	2852N 07705W	40.5	130.4	GGFG			14	40
2992-14324	00000/0000	2-10035/0757	10/10/77	20	3831	2726N 07729W	41.2	129.1	GGGG			14	41
2992-16094	00000/0000	2-10035/0702	10/10/77	80	3832	4852N 09607W	28.3	145.3	GGGG			32	26
2992-16101	00000/0000	2-10035/0703	10/10/77	60	3832	4727N 09643W	29.3	144.3	GGGG			32	27
2992-16103	00000/0000	2-10035/0704	10/10/77	60	3832	4602N 09718W	30.3	143.3	GGGG			32	28
2992-16110	00000/0000	2-10035/0705	10/10/77	80	3832	4437N 09751W	31.2	142.3	GGGG			32	29
2992-16112	00000/0000	2-10035/0706	10/10/77	90	3832	4311N 09823W	32.1	141.3	GGGG			32	30
2992-16115	00000/0000	2-10035/0707	10/10/77	90	3832	4147N 09854W	33.0	140.3	GGGG			32	31
2992-16121	00000/0000	2-10035/0708	10/10/77	90	3832	4021N 09924W	33.9	139.3	GGGG			32	32
2992-16124	00000/0000	2-10035/0709	10/10/77	90	3832	3855N 09953W	34.8	138.3	GGGG			32	33

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H
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H

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0056

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2992-16130	00000/0000	2-10035/0710	10/10/77	40	3832	3729N	10021W	35.7 137.2	GGGG			32	34
2992-16133	00000/0000	2-10035/0711	10/10/77	0	3832	3603N	10048W	36.5 136.1	GGGG			32	35
2992-16135	00000/0000	2-10035/0712	10/10/77	0	3832	3438N	10114W	37.4 135.0	GGGG			32	36
2992-16142	00000/0000	2-10035/0713	10/10/77	0	3832	3311N	10139W	38.2 133.9	GGGG			32	37
2992-16144	00000/0000	2-10035/0714	10/10/77	0	3832	3144N	10204W	39.0 132.8	GGGG			32	38
2992-16151	00000/0000	2-10035/0718	10/10/77	20	3832	3018N	10229W	39.7 131.6	GGGG			32	39
2992-16153	00000/0000	2-10035/0716	10/10/77	10	3832	2853N	10254W	40.5 130.4	GGGG			32	40
2992-16160	00000/0000	2-10035/0717	10/10/77	10	3832	2727N	10318W	41.2 129.1	GGGG			32	41
2992-17530	00000/0000	2-10035/0771	10/10/77	80	3833	4855N	12153W	28.3 145.3	GGGG			50	26
2992-17532	00000/0000	2-10035/0772	10/10/77	90	3833	4730N	12229W	29.2 144.4	GGGG			50	27
2992-17535	00000/0000	2-10035/0773	10/10/77	40	3833	4606N	12304W	30.2 143.4	FFGG			50	28
2992-17541	00000/0000	2-10035/0774	10/10/77	10	3833	4440N	12338W	31.1 142.4	GGGG			50	29
2992-17544	00000/0000	2-10035/0775	10/10/77	10	3833	4315N	12410W	32.1 141.4	GGGG			50	30
2992-17550	00000/0000	2-10035/0776	10/10/77	10	3833	4149N	12441W	33.0 140.4	GGGG			50	31
2992-17553	00000/0000	2-10035/0777	10/10/77	10	3833	4024N	12511W	33.9 139.4	GGGG			50	32
2992-17555	00000/0000	2-10035/0778	10/10/77	10	3833	3858N	12540W	34.8 138.3	GGGG			50	33
2993-14330	00000/0000	2-10035/0848	10/11/77	20	3845	4602N	07254W	30.0 143.5	FFFG			15	28
2993-14332	00000/0000	2-10035/0849	10/11/77	10	3845	4437N	07327W	30.9 142.6	FFFG			15	29
2993-14335	00000/0000	2-10035/0850	10/11/77	10	3845	4312N	07400W	31.8 141.6	FFGG			15	30
2993-14341	00000/0000	2-10035/0851	10/11/77	10	3845	4147N	07431W	32.8 140.6	FFFG			15	31
2993-14344	00000/0000	2-10035/0852	10/11/77	10	3845	4021N	07501W	33.7 139.6	FFFG			15	32
2993-14350	00000/0000	2-10035/0853	10/11/77	20	3845	3854N	07529W	34.5 138.5	FFFG			15	33
2993-14353	00000/0000	2-10035/0854	10/11/77	10	3845	3728N	07557W	35.4 137.5	FFFG			15	34
2993-14355	00000/0000	2-10035/0855	10/11/77	30	3845	3603N	07624W	36.3 136.4	FFFG			15	35
2993-14362	00000/0000	2-10035/0856	10/11/77	30	3845	3437N	07651W	37.1 135.3	FFGG			15	36
2993-14364	00000/0000	2-10035/0857	10/11/77	60	3845	3311N	07717W	37.9 134.2	FFGG			15	37
2993-14371	00000/0000	2-10035/0858	10/11/77	70	3845	3145N	07742W	38.7 133.1	FFGG			15	38
2993-14373	00000/0000	2-10035/0863	10/11/77	60	3845	3019N	07807W	39.5 131.9	GG			15	39
2993-14380	00000/0000	2-10035/0859	10/11/77	70	3845	2852N	07831W	40.2 130.7	FFGG			15	40
2993-14382	2-10035/1200	2-10035/0860	10/11/77	20	3845	2726N	07855W	41.0 129.5	GGG FFFG			15	41
2993-14385	2-10035/1201	2-10035/0861	10/11/77	10	3845	2600N	07919W	41.7 128.3	GGG FFFG			15	42
2993-14391	2-10035/1202	2-10035/0862	10/11/77	10	3845	2433N	07941W	42.4 127.0	GGG FFFG			15	43
2993-16152	00000/0000	2-10035/0832	10/11/77	70	3846	4852N	09733W	28.0 145.5	GGGG			33	26
2993-16155	00000/0000	2-10035/0833	10/11/77	80	3846	4726N	09810W	29.0 144.5	GGGG			33	27
2993-16161	00000/0000	2-10035/0834	10/11/77	70	3846	4601N	09844W	29.9 143.6	GGGG			33	28
2993-16164	00000/0000	2-10035/0835	10/11/77	80	3846	4436N	09917W	30.9 142.6	GGGG			33	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0057

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2993-16170	00000/0000	2-10035/0836	10/11/77	60	3846	4310N 09949W	31.8	141.6	GGGG			33	30
2993-16173	00000/0000	2-10035/0837	10/11/77	10	3846	4145N 10020W	32.7	140.6	GGGG			33	31
2993-16175	00000/0000	2-10035/0838	10/11/77	0	3846	4019N 10050W	33.6	139.6	GGG			33	32
2993-16182	00000/0000	2-10035/0839	10/11/77	0	3846	3853N 10119W	34.5	138.6	GGGG			33	33
2993-16184	00000/0000	2-10035/0840	10/11/77	10	3846	3727N 10148W	35.4	137.5	GGGG			33	34
2993-16191	00000/0000	2-10035/0841	10/11/77	10	3846	3601N 10215W	36.2	136.4	GGGG			33	35
2993-16193	00000/0000	2-10035/0842	10/11/77	10	3846	3435N 10241W	37.1	135.4	GGFG			33	36
2993-16200	00000/0000	2-10035/0843	10/11/77	10	3846	3309N 10307W	37.9	134.2	GGGG			33	37
2993-16202	00000/0000	2-10035/0844	10/11/77	0	3846	3144N 10332W	38.7	133.1	GGGG			33	38
2993-16205	00000/0000	2-10035/0845	10/11/77	10	3846	3018N 10357W	39.5	131.9	GGGG			33	39
2993-16211	00000/0000	2-10035/0846	10/11/77	10	3846	2852N 10421W	40.2	130.7	GGGG			33	40
2993-16214	00000/0000	2-10035/0847	10/11/77	10	3846	2726N 10444W	41.0	129.5	GGGG			33	41
2993-17584	00000/0000	2-10035/0779	10/11/77	10	3847	4855N 12320W	28.0	145.5	GFGF			51	26
2993-17590	00000/0000	2-10035/0780	10/11/77	10	3847	4730N 12356W	28.9	144.6	GFGG			51	27
2993-17593	00000/0000	2-10035/0781	10/11/77	10	3847	4604N 12431W	29.9	143.6	GFFF			51	28
2993-17595	00000/0000	2-10035/0782	10/11/77	10	3847	4439N 12505W	30.8	142.6	GFGF			51	29
2993-18002	00000/0000	2-10035/0783	10/11/77	10	3847	4314N 12537W	31.8	141.6	FFGG			51	30
2993-18004	00000/0000	2-10035/0784	10/11/77	10	3847	4148N 12608W	32.7	140.6	GGGF			51	31
2994-14381	00000/0000	2-10035/0785	10/12/77	40	3859	4730N 07345W	28.6	144.8	GGGG			16	27
2994-14384	00000/0000	2-10035/0786	10/12/77	60	3859	4605N 07420W	29.6	143.8	GGGG			16	28
2994-14390	00000/0000	2-10035/0787	10/12/77	60	3859	4439N 07454W	30.6	142.8	GGGG			16	29
2994-14393	00000/0000	2-10035/0788	10/12/77	40	3859	4314N 07526W	31.5	141.9	GGGG			16	30
2994-14395	00000/0000	2-10035/0789	10/12/77	30	3859	4148N 07557W	32.4	140.9	GGGG			16	31
2994-14402	00000/0000	2-10035/0790	10/12/77	30	3859	4023N 07626W	33.3	139.9	GGGG			16	32
2994-14404	00000/0000	2-10035/0791	10/12/77	50	3859	3858N 07654W	34.2	138.9	FGGG			16	33
2994-14411	00000/0000	2-10035/0792	10/12/77	70	3859	3732N 07722W	35.1	137.8	GGGG			16	34
2994-14413	00000/0000	2-10035/0793	10/12/77	90	3859	3606N 07749W	36.0	136.8	GGGG			16	35
2994-14420	00000/0000	2-10035/0794	10/12/77	90	3859	3440N 07816W	36.8	135.7	GGGG			16	36
2994-14422	00000/0000	2-10035/0795	10/12/77	90	3859	3314N 07842W	37.6	134.6	GGGG			16	37
2994-14425	00000/0000	2-10035/0796	10/12/77	60	3859	3147N 07908W	38.4	133.5	GGGG			16	38
2994-14431	00000/0000	2-10035/0797	10/12/77	60	3859	3021N 07933W	39.2	132.3	GGGG			16	39
2994-14434	00000/0000	2-10035/0798	10/12/77	50	3859	2855N 07957W	40.0	131.1	GGGG			16	40
2994-14440	00000/0000	2-10035/0799	10/12/77	20	3859	2728N 08022W	40.7	129.9	GGGG			16	41
2994-14443	00000/0000	2-10035/0800	10/12/77	20	3859	2601N 08045W	41.4	128.7	GGGG			16	42
2994-14445	00000/0000	2-10035/0801	10/12/77	40	3859	2435N 08107W	42.1	127.4	GGGG			16	43
2994-16210	00000/0000	2-10035/0994	10/12/77	60	3860	4854N 09857W	27.7	145.7	GGGG			34	26

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MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
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09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0058

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2994-16213	00000/0000 2=10035/0996	10/12/77	60	3860	4729N	09934W	28.6 144.8	GGGG			34	27
2994-16215	00000/0000 2=10035/0996	10/12/77	10	3860	4603N	10009W	29.6 143.8	GGGG			34	28
2994-16222	00000/0000 2=10035/0997	10/12/77	0	3860	4438N	10043W	30.5 142.8	GGGG			34	29
2994-16224	00000/0000 2=10035/0998	10/12/77	10	3860	4313N	10114W	31.5 141.9	GGGG			34	30
2994-16231	00000/0000 2=10035/0999	10/12/77	0	3860	4148N	10145W	32.4 140.9	GGGG			34	31
2994-16233	00000/0000 2=10035/1000	10/12/77	0	3860	4022N	10214W	33.3 139.9	GGGG			34	32
2994-16240	00000/0000 2=10035/1001	10/12/77	0	3860	3857N	10243W	34.2 138.9	GGGG			34	33
2994-16242	00000/0000 2=10035/1002	10/12/77	0	3860	3731N	10312W	35.1 137.8	GGGG			34	34
2994-16245	00000/0000 2=10035/1003	10/12/77	0	3860	3605N	10340W	35.9 136.8	GGGG			34	35
2994-16251	00000/0000 2=10035/1004	10/12/77	0	3860	3439N	10406W	36.8 135.7	GGGG			34	36
2994-16254	00000/0000 2=10035/1005	10/12/77	0	3860	3312N	10431W	37.6 134.6	GGGG			34	37
2994-16260	00000/0000 2=10035/1006	10/12/77	0	3860	3146N	10456W	38.4 133.5	GGGG			34	38
2994-16263	00000/0000 2=10035/1007	10/12/77	10	3860	3020N	10521W	39.2 132.3	GGGG			34	39
2994-16265	00000/0000 2=10035/1008	10/12/77	10	3860	2854N	10545W	40.0 131.2	GGGG			34	40
2995-14442	00000/0000 2=10035/1032	10/13/77	60	3873	4604N	07546W	29.3 144.0	GGGG			17	28
2995-14444	00000/0000 2=10035/1033	10/13/77	10	3873	4438N	07619W	30.2 143.1	GGGG			17	29
2995-14451	00000/0000 2=10035/1034	10/13/77	50	3873	4313N	07652W	31.2 142.1	GGGG			17	30
2995-14453	00000/0000 2=10035/1035	10/13/77	90	3873	4147N	07723W	32.1 141.1	GGGG			17	31
2995-14460	00000/0000 2=10035/1036	10/13/77	80	3873	4022N	07753W	33.0 140.1	GGGG			17	32
2995-14462	00000/0000 2=10035/1037	10/13/77	30	3873	3856N	07821W	33.9 139.1	GGGG			17	33
2995-14465	00000/0000 2=10035/1038	10/13/77	80	3873	3729N	07849W	34.8 138.1	GGGG			17	34
2995-14471	00000/0000 2=10035/1039	10/13/77	100	3873	3603N	07917W	35.7 137.1	GGGG			17	35
2995-14474	00000/0000 2=10035/1040	10/13/77	100	3873	3438N	07943W	36.5 136.0	GGGG			17	36
2995-14480	00000/0000 2=10035/1041	10/13/77	90	3873	3312N	08008W	37.4 134.9	GGGG			17	37
2995-14483	00000/0000 2=10035/1042	10/13/77	90	3873	3146N	08033W	38.2 133.8	GGGG			17	38
2995-14485	00000/0000 2=10035/1043	10/13/77	70	3873	3020N	08058W	39.0 132.7	GGGG			17	39
2995-14492	00000/0000 2=10035/1044	10/13/77	10	3873	2855N	08123W	39.7 131.5	GGGG			17	40
2995-14494	00000/0000 2=10035/1045	10/13/77	10	3873	2728N	08146W	40.5 130.3	GGGG			17	41
2995-14501	00000/0000 2=10035/1046	10/13/77	40	3873	2602N	08210W	41.2 129.1	GGGG			17	42
2995-16265	00000/0000 2=10035/0893	10/13/77	40	3874	4853N	10024W	27.3 145.9	GGGG			35	26
2995-16271	00000/0000 2=10035/0894	10/13/77	10	3874	4728N	10100W	28.3 145.0	GGGF			35	27
2995-16274	00000/0000 2=10035/0895	10/13/77	0	3874	4603N	10136W	29.3 144.0	FGGG			35	28
2995-16280	00000/0000 2=10035/0896	10/13/77	0	3874	4438N	10209W	30.2 143.1	GGGG			35	29
2995-16283	00000/0000 2=10035/0897	10/13/77	0	3874	4312N	10241W	31.2 142.1	GGGG			35	30
2995-16285	00000/0000 2=10035/0898	10/13/77	0	3874	4146N	10312W	32.1 141.1	GGGG			35	31
2995-16292	00000/0000 2=10035/0899	10/13/77	0	3874	4021N	10342W	33.0 140.1	GGGG			35	32

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KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0059

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2995-16294	00000/0000	2-10035/0900	10/13/77	0	3874	3856N 10412W	33.9	139.1	GGGG			35	33
2995-16301	00000/0000	2-10035/0901	10/13/77	0	3874	3730N 10439W	34.8	138.1	FGGG			35	34
2995-16303	00000/0000	2-10035/0902	10/13/77	0	3874	3603N 10506W	35.7	137.1	GGGG			35	35
2995-16310	00000/0000	2-10035/0903	10/13/77	0	3874	3438N 10532W	36.5	136.0	GGGG			35	36
2995-16312	00000/0000	2-10035/0904	10/13/77	10	3874	3313N 10558W	37.3	134.9	GGGG			35	37
2995-16315	00000/0000	2-10035/0905	10/13/77	0	3874	3146N 10624W	38.2	133.8	GGGG			35	38
2995-16321	00000/0000	2-10035/0906	10/13/77	20	3874	3019N 10649W	38.9	132.7	GGGG			35	39
2995-16324	00000/0000	2-10035/0907	10/13/77	20	3874	2853N 10713W	39.7	131.5	GGGG			35	40
2996-14503	00000/0000	2-10035/0949	10/14/77	90	3887	4437N 07746W	29.9	143.3	FGGG			18	29
2996-14505	00000/0000	2-10035/0950	10/14/77	90	3887	4311N 07818W	30.9	142.3	GGG			18	30
2996-14512	00000/0000	2-10035/0951	10/14/77	80	3887	4146N 07849W	31.8	141.4	FGGG			18	31
2996-14514	00000/0000	2-10035/0952	10/14/77	70	3887	4021N 07919W	32.7	140.4	GGGG			18	32
2996-14521	00000/0000	2-10035/0953	10/14/77	80	3887	3855N 07948W	33.6	139.4	GGFG			18	33
2996-14523	00000/0000	2-10035/0954	10/14/77	90	3887	3729N 08016W	34.5	138.4	GGFG			18	34
2996-14530	00000/0000	2-10035/0955	10/14/77	90	3887	3603N 08044W	35.4	137.3	GFGG			18	35
2996-14532	00000/0000	2-10035/0947	10/14/77	50	3887	3437N 08111W	36.3	136.3	G GG			18	36
2996-14535	00000/0000	2-10035/0948	10/14/77	10	3887	3311N 08136W	37.1	135.2	G GG			18	37
2996-14541	00000/0000	2-10035/0956	10/14/77	10	3887	3144N 08201W	37.9	134.1	GG G			18	38
2996-14544	00000/0000	2-10035/0957	10/14/77	10	3887	3018N 08226W	38.7	133.0	GG G			18	39
2996-14550	00000/0000	2-10035/0958	10/14/77	10	3887	2852N 08250W	39.5	131.8	GG G			18	40
2996-14553	00000/0000	2-10035/0959	10/14/77	30	3887	2725N 08313W	40.2	130.7	GGGG			18	41
2996-14555	00000/0000	2-10035/0960	10/14/77	40	3887	2559N 08336W	41.0	129.4	GG G			18	42
2996-14562	00000/0000	2-10035/0961	10/14/77	70	3887	2433N 08359W	41.7	128.2	GGGG			18	43
2996-16323	00000/0000	2-10035/0979	10/14/77	10	3888	4852N 10150W	27.0	146.1	GGGG			36	26
2996-16325	00000/0000	2-10035/0980	10/14/77	40	3888	4727N 10226W	28.0	145.2	GGGG			36	27
2996-16332	00000/0000	2-10035/0981	10/14/77	90	3888	4601N 10301W	29.0	144.2	GGGG			36	28
2996-16334	00000/0000	2-10035/0982	10/14/77	60	3888	4436N 10334W	29.9	143.3	GGGG			36	29
2996-16341	00000/0000	2-10035/0983	10/14/77	10	3888	4311N 10407W	30.9	142.3	GGGG			36	30
2996-16343	00000/0000	2-10035/0984	10/14/77	10	3888	4145N 10437W	31.8	141.4	GGGG			36	31
2996-16350	00000/0000	2-10035/0985	10/14/77	10	3888	4019N 10507W	32.7	140.4	GGGG			36	32
2996-16352	00000/0000	2-10035/0986	10/14/77	10	3888	3854N 10536W	33.6	139.4	GGGG			36	33
2996-16355	00000/0000	2-10035/0987	10/14/77	0	3888	3729N 10604W	34.5	138.4	GGGG			36	34
2996-16361	00000/0000	2-10035/0988	10/14/77	0	3888	3603N 10631W	35.4	137.4	GGGG			36	35
2996-16364	00000/0000	2-10035/0989	10/14/77	0	3888	3437N 10658W	36.2	136.3	GGGG			36	36
2996-16370	00000/0000	2-10035/0990	10/14/77	10	3888	3311N 10724W	37.1	135.2	GGGG			36	37
2996-16373	00000/0000	2-10035/0991	10/14/77	10	3888	3146N 10749W	37.9	134.1	GGGG			36	38

ORIGINAL PAGE IS
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KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

09:34 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0060

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS DATA	MSS 123 45678 MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2996-16375	00000/0000	2-10035/0992	10/14/77	20	3888	3020N	10814W	38.7	133.0	GGGG		36	39
2996-16382	00000/0000	2-10035/0993	10/14/77	10	3888	2853N	10837W	39.5	131.9	GGGG		36	40
2997-14563	00000/0000	2-10035/1047	10/15/77	20	3901	4310N	07943W	30.6	142.5	GGGG		19	30
2997-14570	00000/0000	2-10035/1048	10/15/77	10	3901	4144N	08015W	31.5	141.6	GGGG		19	31
2997-14572	00000/0000	2-10035/1049	10/15/77	20	3901	4019N	08045W	32.4	140.6	GGGG		19	32
2997-14575	00000/0000	2-10035/1050	10/15/77	0	3901	3854N	08114W	33.4	139.6	GGGG		19	33
2997-14581	00000/0000	2-10035/1051	10/15/77	0	3901	3728N	08143W	34.2	138.6	GGGG		19	34
2997-14584	00000/0000	2-10035/1052	10/15/77	0	3901	3602N	08210W	35.1	137.6	GGGG		19	35
2997-14590	00000/0000	2-10035/1053	10/15/77	0	3901	3435N	08237W	36.0	136.6	GGFG		19	36
2997-14593	00000/0000	2-10035/1054	10/15/77	0	3901	3309N	08303W	36.8	135.5	GGGG		19	37
2997-14595	00000/0000	2-10035/1055	10/15/77	0	3901	3144N	08327W	37.7	134.4	GGGG		19	38
2997-15002	00000/0000	2-10035/1056	10/15/77	0	3901	3018N	08352W	38.5	133.3	GGGG		19	39
2997-15004	00000/0000	2-10035/1057	10/15/77	10	3901	2852N	08416W	39.2	132.2	GGGG		19	40
2997-15011	00000/0000	2-10035/1058	10/15/77	40	3901	2725N	08440W	40.0	131.0	GGGG		19	41
2997-16381	00000/0000	2-10035/0908	10/15/77	0	3902	4854N	10314W	26.7	146.3	GGGG		37	26
2997-16383	00000/0000	2-10035/0909	10/15/77	0	3902	4729N	10351W	27.6	145.4	FGGG		37	27
2997-16390	00000/0000	2-10035/0910	10/15/77	0	3902	4604N	10426W	28.6	144.5	GGG		37	28
2997-16392	00000/0000	2-10035/0911	10/15/77	0	3902	4439N	10459W	29.6	143.5	GGGG		37	29
2997-16395	00000/0000	2-10035/0912	10/15/77	10	3902	4313N	10532W	30.5	142.6	GGGG		37	30
2997-16401	00000/0000	2-10035/0913	10/15/77	10	3902	4147N	10603W	31.5	141.6	FGGG		37	31
2997-16404	00000/0000	2-10035/0914	10/15/77	10	3902	4022N	10633W	32.4	140.7	GFGG		37	32
2997-16410	00000/0000	2-10035/0915	10/15/77	0	3902	3857N	10702W	33.3	139.7	GGGG		37	33
2997-16413	00000/0000	2-10035/0916	10/15/77	0	3902	3731N	10730W	34.2	138.7	GGGG		37	34
2997-16415	00000/0000	2-10035/0917	10/15/77	0	3902	3605N	10757W	35.1	137.7	GGGG		37	35
2997-16422	00000/0000	2-10035/0918	10/15/77	0	3902	3439N	10824W	35.9	136.6	FGGG		37	36
2997-16424	00000/0000	2-10035/0919	10/15/77	0	3902	3313N	10850W	36.8	135.6	GGGG		37	37
2997-16431	00000/0000	2-10035/0920	10/15/77	0	3902	3147N	10916W	37.6	134.5	GGGG		37	38
2997-16433	00000/0000	2-10035/0921	10/15/77	0	3902	3020N	10940W	38.4	133.4	GGGG		37	39
2997-16440	00000/0000	2-10035/0922	10/15/77	10	3902	2854N	11003W	39.2	132.2	GGGG		37	40
2998-15012	00000/0000	2-10035/0962	10/16/77	90	3915	4603N	08004W	28.3	144.7	GGGG		20	28
2998-15015	00000/0000	2-10035/0963	10/16/77	90	3915	4439N	08037W	29.3	143.7	GGGG		20	29
2998-15021	00000/0000	2-10035/0964	10/16/77	70	3915	4313N	08109W	30.2	142.8	GFGG		20	30
2998-15024	00000/0000	2-10035/0965	10/16/77	80	3915	4147N	08140W	31.2	141.9	GGGG		20	31
2998-15030	00000/0000	2-10035/0966	10/16/77	90	3915	4022N	08211W	32.1	140.9	GGGG		20	32
2998-15033	00000/0000	2-10035/0967	10/16/77	70	3915	3856N	08239W	33.0	139.9	FGGG		20	33
2998-15035	00000/0000	2-10035/0968	10/16/77	90	3915	3730N	08307W	33.9	138.9	FGGG		20	34

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LANDSAT-2
OBSERVATION ID LISTING
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FROM 10/01/77 TO 10/31/77

PAGE 0061

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2998-15042	00000/0000	2-10035/0969	10/16/77	80	3915	3604N	08334W	34.8	137.9	GGGG			20	35
2998-15044	00000/0000	2-10035/0970	10/16/77	70	3915	3438N	08401W	35.7	136.9	GGGG			20	36
2998-15051	00000/0000	2-10035/0971	10/16/77	20	3915	3312N	08427W	36.5	135.9	FGGG			20	37
2998-15053	00000/0000	2-10035/0972	10/16/77	10	3915	3146N	08452W	37.4	134.8	GGGG			20	38
2998-15060	00000/0000	2-10035/0973	10/16/77	0	3915	3020N	08517W	38.2	133.7	GGGG			20	39
2998-15062	00000/0000	2-10035/0974	10/16/77	20	3915	2854N	08541W	39.0	132.6	GGGG			20	40
2998-15065	00000/0000	2-10035/0975	10/16/77	50	3915	2728N	08604W	39.7	131.4	GGGG			20	41
2998-16435	00000/0000	2-10035/1059	10/16/77	10	3916	4852N	10442W	26.3	146.5	GGGG			38	26
2998-16441	00000/0000	2-10035/1060	10/16/77	60	3916	4727N	10519W	27.3	145.6	GGGG			38	27
2998-16444	00000/0000	2-10035/1061	10/16/77	0	3916	4603N	10554W	28.3	144.7	GGGG			38	28
2998-16450	00000/0000	2-10035/1062	10/16/77	0	3916	4438N	10628W	29.3	143.7	GGGG			38	29
2998-16453	00000/0000	2-10035/1063	10/16/77	0	3916	4312N	10700W	30.2	142.8	GGGG			38	30
2998-16455	00000/0000	2-10035/1064	10/16/77	0	3916	4146N	10731W	31.2	141.9	GGGG			38	31
2998-16462	00000/0000	2-10035/1065	10/16/77	0	3916	4021N	10801W	32.1	140.9	GGGG			38	32
2998-16464	00000/0000	2-10035/1066	10/16/77	0	3916	3855N	10830W	33.0	139.9	GGGG			38	33
2998-16471	00000/0000	2-10035/1067	10/16/77	0	3916	3730N	10858W	33.9	139.0	GGGG			38	34
2998-16473	00000/0000	2-10035/1068	10/16/77	0	3916	3604N	10926W	34.8	138.0	GGGG			38	35
2998-16480	00000/0000	2-10035/1069	10/16/77	10	3916	3438N	10952W	35.7	136.9	GGGG			38	36
2998-16482	00000/0000	2-10035/1070	10/16/77	10	3916	3312N	11018W	36.5	135.9	GGGG			38	37
2998-16485	00000/0000	2-10035/1071	10/16/77	10	3916	3146N	11043W	37.4	134.8	GGGG			38	38
2998-16491	00000/0000	2-10035/1072	10/16/77	0	3916	3020N	11107W	38.2	133.7	GGGG			38	39
2999-15061	00000/0000	2-10035/1127	10/17/77	10	3929	4853N	08021W	26.0	146.7	GGGG			21	26
2999-15064	00000/0000	2-10035/1128	10/17/77	0	3929	4728N	08057W	27.0	145.8	FGGG			21	27
2999-15070	00000/0000	2-10035/1129	10/17/77	10	3929	4603N	08132W	28.0	144.9	GGGG			21	28
2999-15073	00000/0000	2-10035/1130	10/17/77	10	3929	4438N	08205W	29.0	143.9	GGGG			21	29
2999-15075	00000/0000	2-10035/1131	10/17/77	20	3929	4312N	08237W	29.9	143.0	GGGG			21	30
2999-15082	00000/0000	2-10035/1132	10/17/77	20	3929	4147N	08308W	30.9	142.1	GGGG			21	31
2999-15084	00000/0000	2-10035/1133	10/17/77	10	3929	4021N	08338W	31.8	141.1	GGGG			21	32
2999-15091	00000/0000	2-10035/1134	10/17/77	10	3929	3855N	08407W	32.7	140.2	GGGG			21	33
2999-15093	00000/0000	2-10035/1135	10/17/77	0	3929	3729N	08435W	33.6	139.2	GGGG			21	34
2999-15100	00000/0000	2-10035/1136	10/17/77	0	3929	3603N	08503W	34.5	138.2	GGGG			21	35
2999-15102	00000/0000	2-10035/1137	10/17/77	0	3929	3437N	08530W	35.4	137.2	GGGG			21	36
2999-15105	00000/0000	2-10035/1138	10/17/77	0	3929	3312N	08555W	36.3	136.2	GGFG			21	37
2999-15111	00000/0000	2-10035/1139	10/17/77	0	3929	3146N	08620W	37.1	135.1	GGGG			21	38
2999-15114	00000/0000	2-10035/1140	10/17/77	0	3929	3020N	08645W	37.9	134.0	FGGG			21	39
2999-15120	00000/0000	2-10035/1141	10/17/77	10	3929	2853N	08709W	38.7	132.9	GGGG			21	40

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09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0062

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2999-15123	00000/0000	2-10035/1142	10/17/77	10	3929	2727N	08733W	39.5	131.8		F	GGG		21	41
2999-16493	00000/0000	2-10035/1186	10/17/77	10	3930	4852N	10607W	26.0	146.7		G	FGG		39	26
2999-16495	00000/0000	2-10035/1187	10/17/77	0	3930	4727N	10644W	27.0	145.8		G	GFG		39	27
2999-16502	00000/0000	2-10035/1188	10/17/77	10	3930	4602N	10719W	28.0	144.9		F	FGG		39	28
2999-16504	00000/0000	2-10035/1189	10/17/77	10	3930	4437N	10753W	29.0	144.0		G	GFG		39	29
2999-16511	00000/0000	2-10035/1190	10/17/77	10	3930	4312N	10825W	29.9	143.0		F	GGG		39	30
2999-16513	00000/0000	2-10035/1191	10/17/77	0	3930	4146N	10856W	30.9	142.1		F	GFG		39	31
2999-16520	00000/0000	2-10035/1192	10/17/77	10	3930	4020N	10926W	31.8	141.2		G	GGG		39	32
2999-16522	00000/0000	2-10035/1193	10/17/77	0	3930	3854N	10955W	32.7	140.2		G	GFG		39	33
2999-16525	00000/0000	2-10035/1194	10/17/77	0	3930	3729N	11023W	33.6	139.2		G	GGG		39	34
2999-16531	00000/0000	2-10035/1195	10/17/77	10	3930	3603N	11050W	34.5	138.2		G	FFG		39	35
2999-16534	00000/0000	2-10035/1196	10/17/77	10	3930	3437N	11116W	35.4	137.2		G	GGG		39	36
2999-16540	00000/0000	2-10035/1197	10/17/77	0	3930	3311N	11142W	36.3	136.2		G	GFG		39	37
2999-16543	00000/0000	2-10035/1198	10/17/77	0	3930	3145N	11206W	37.1	135.1		G	GGG		39	38
2999-16545	00000/0000	2-10035/1199	10/17/77	0	3930	3019N	11230W	37.9	134.0		F	FGG		39	39
6000-15122	00000/0000	2-10035/1143	10/18/77	100	3943	4727N	08222W	26.7	146.0		G	GGG		22	27
6000-15124	00000/0000	2-10035/1144	10/18/77	90	3943	4602N	08257W	27.7	145.0		G	GGG		22	28
6000-15131	00000/0000	2-10035/1145	10/18/77	90	3943	4437N	08330W	28.7	144.1		G	GGG		22	29
6000-15140	00000/0000	2-10035/1146	10/18/77	30	3943	4145N	08434W	30.6	142.3		G	GGG		22	31
6000-15142	00000/0000	2-10035/1147	10/18/77	10	3943	4020N	08504W	31.5	141.4		G	GGG		22	32
6000-15145	00000/0000	2-10035/1148	10/18/77	60	3943	3854N	08533W	32.5	140.4		G	GGG		22	33
6000-15151	00000/0000	2-10035/1149	10/18/77	80	3943	3728N	08601W	33.4	139.5		G	FFG		22	34
6000-15154	00000/0000	2-10035/1150	10/18/77	40	3943	3602N	08628W	34.3	138.5		G	GFG		22	35
6000-15160	00000/0000	2-10035/1151	10/18/77	10	3943	3437N	08655W	35.1	137.5		G	GFG		22	36
6000-15163	00000/0000	2-10035/1152	10/18/77	0	3943	3311N	08720W	36.0	136.5		G	GFG		22	37
6000-15165	00000/0000	2-10035/1153	10/18/77	10	3943	3145N	08745W	36.8	135.4		F	GGG		22	38
6000-15172	00000/0000	2-10035/1154	10/18/77	10	3943	3020N	08809W	37.7	134.3		F	GGG		22	39
6000-15174	00000/0000	2-10035/1155	10/18/77	30	3943	2853N	08833W	38.5	133.2		G	GGG		22	40
6000-15181	00000/0000	2-10035/1156	10/18/77	40	3943	2726N	08856W	39.3	132.1		G	GGG		22	41
6000-16551	00000/0000	2-10035/1157	10/18/77	10	3944	4851N	10734W	25.7	146.9		G	GGG		40	26
6000-16553	00000/0000	2-10035/1158	10/18/77	10	3944	4727N	10810W	26.7	146.0		G	GGG		40	27
6000-16560	00000/0000	2-10035/1159	10/18/77	10	3944	4601N	10846W	27.7	145.1		G	GGG		40	28
6000-16562	00000/0000	2-10035/1160	10/18/77	10	3944	4435N	10919W	28.7	144.2		G	GGG		40	29
6000-16565	00000/0000	2-10035/1161	10/18/77	0	3944	4309N	10951W	29.6	143.2		G	GGG		40	30
6000-16571	00000/0000	2-10035/1162	10/18/77	0	3944	4144N	11022W	30.6	142.3		G	GGG		40	31
6000-16574	00000/0000	2-10035/1163	10/18/77	0	3944	4019N	11052W	31.5	141.4		G	GGG		40	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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09:34 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0063

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS DATA	MSS MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
6000-16580	00000/0000	2-10035/1164	10/18/77	0	3944	3854N	11121W	32.4	140.4	GGGG			40	33
6000-16583	00000/0000	2-10035/1165	10/18/77	10	3944	3728N	11149W	33.3	139.5	GGGG			40	34
6000-16585	00000/0000	2-10035/1166	10/18/77	10	3944	3602N	11216W	34.2	138.5	GGGG			40	35
6000-16592	00000/0000	2-10035/1167	10/18/77	10	3944	3436N	11242W	35.1	137.5	GGGG			40	36
6000-16594	00000/0000	2-10035/1168	10/18/77	10	3944	3311N	11308W	36.0	136.5	GGGG			40	37
6000-17001	00000/0000	2-10035/1169	10/18/77	10	3944	3145N	11333W	36.8	135.4	GGGG			40	38
6000-17003	00000/0000	2-10035/1170	10/18/77	10	3944	3019N	11358W	37.7	134.3	FGGG			40	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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09:39 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0064

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2974-19322	00000/0000	2-10035/0135	09/22/77	100	3583	6536N 13642W	22.7	156.5	GGGG			68	14
2974-19324	00000/0000	2-10035/0136	09/22/77	90	3583	6416N 13802W	23.7	154.9	GGFG			68	15
2974-19331	00000/0000	2-10035/0137	09/22/77	100	3583	6254N 13916W	24.7	153.4	GGGG			68	16
2974-19333	00000/0000	2-10035/0138	09/22/77	90	3583	6132N 14024W	25.7	152.0	FGGG			68	17
2974-19340	00000/0000	2-10035/0139	09/22/77	70	3583	6008N 14127W	26.7	150.7	GGGG			68	18
2974-19342	00000/0000	2-10035/0140	09/22/77	50	3583	5845N 14226W	27.7	149.4	GGGF			68	19
2974-21135	00000/0000	2-10035/0141	09/22/77	10	3584	7052N 15529W	18.6	164.2	GGGG			86	10
2974-21142	00000/0000	2-10035/0142	09/22/77	10	3584	6935N 15733W	19.6	162.0	GGGG			86	11
2974-21144	00000/0000	2-10035/0143	09/22/77	0	3584	6816N 15922W	20.6	160.0	FGGG			86	12
2974-21151	00000/0000	2-10035/0144	09/22/77	20	3584	6656N 16100W	21.7	158.2	FGGG			86	13
2974-21153	00000/0000	2-10035/0145	09/22/77	40	3584	6535N 16229W	22.7	156.5	GGGG			86	14
2974-21162	00000/0000	2-10035/0146	09/22/77	40	3584	6252N 16503W	24.7	153.4	FGGG			86	16
2974-21165	00000/0000	2-10035/0147	09/22/77	70	3584	6131N 16609W	25.7	152.0	PGGG			86	17
2974-21171	00000/0000	2-10035/0148	09/22/77	90	3584	6008N 16711W	26.7	150.7	FGGG			86	18
2974-21174	00000/0000	2-10035/0149	09/22/77	90	3584	5845N 16810W	27.7	149.4	FGGG			86	19
2974-21180	00000/0000	2-10035/0150	09/22/77	90	3584	5721N 16905W	28.6	148.1	FGGG			86	20
2974-21183	00000/0000	2-10035/0151	09/22/77	90	3584	5557N 16956W	29.6	146.9	FGGG			86	21
2974-21185	00000/0000	2-10035/0152	09/22/77	80	3584	5433N 17044W	30.5	145.7	FGGG			86	22
2974-21192	00000/0000	2-10035/0153	09/22/77	50	3584	5309N 17130W	31.5	144.5	FGGG			86	23
2977-19483	00000/0000	2-10035/0055	09/25/77	70	3625	6819N 13744W	19.5	160.4	GGGG			71	12
2977-19485	00000/0000	2-10035/0056	09/25/77	70	3625	6659N 13923W	20.5	158.6	GGGG			71	13
2977-19492	00000/0000	2-10035/0057	09/25/77	80	3625	6539N 14052W	21.6	157.0	GGGG			71	14
2977-19494	00000/0000	2-10035/0058	09/25/77	80	3625	6418N 14214W	22.6	155.4	GGGG			71	15
2977-19501	00000/0000	2-10035/0059	09/25/77	20	3625	6255N 14329W	23.6	153.9	GGGG			71	16
2977-19503	00000/0000	2-10035/0060	09/25/77	10	3625	6133N 14437W	24.6	152.6	FGGG			71	17
2977-19510	00000/0000	2-10035/0061	09/25/77	40	3625	6011N 14541W	25.6	151.2	GGGG			71	18
2977-19512	00000/0000	2-10035/0062	09/25/77	10	3625	5847N 14639W	26.6	150.0	GGGG			71	19
2977-19515	00000/0000	2-10035/0063	09/25/77	10	3625	5724N 14734W	27.6	148.7	GGGG			71	20
2977-21303	00000/0000	2-10035/0064	09/25/77	90	3626	7210N 15722W	16.4	167.0	FGGG			89	9
2977-21305	00000/0000	2-10035/0065	09/25/77	100	3626	7053N 15942W	17.4	164.6	FFGG			89	10
2977-21312	00000/0000	2-10035/0066	09/25/77	100	3626	6936N 16145W	18.4	162.4	FGGG			89	11
2977-21314	00000/0000	2-10035/0067	09/25/77	90	3626	6818N 16334W	19.5	160.4	FGGG			89	12
2977-21321	00000/0000	2-10035/0068	09/25/77	70	3626	6658N 16513W	20.5	158.6	GGGG			89	13
2977-21323	00000/0000	2-10035/0069	09/25/77	80	3626	6538N 16643W	21.6	157.0	GGGG			89	14
2977-21330	00000/0000	2-10035/0070	09/25/77	40	3626	6417N 16805W	22.6	155.4	GGGG			89	15
2977-21332	00000/0000	2-10035/0071	09/25/77	70	3626	6255N 16920W	23.6	153.9	GGGG			89	16

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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09:39 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0065

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2977-21335	00000/0000	2-10035/0072	09/25/77	90	3626	6132N 17028W	24.6	152.6	FGGG			89	17
2977-21341	00000/0000	2-10035/0073	09/25/77	60	3626	6010N 17131W	25.6	151.2	FGGG			89	18
2977-21344	00000/0000	2-10035/0074	09/25/77	70	3626	5846N 17230W	26.6	150.0	GGGG			89	19
2977-21350	00000/0000	2-10035/0075	09/25/77	90	3626	5723N 17324W	27.6	148.7	FGGG			89	20
2977-21353	00000/0000	2-10035/0076	09/25/77	100	3626	5559N 17415W	28.5	147.5	FGGG			89	21
2977-21355	00000/0000	2-10035/0077	09/25/77	100	3626	5435N 17503W	29.5	146.3	GGGG			89	22
2977-21362	00000/0000	2-10035/0078	09/25/77	100	3626	5310N 17547W	30.4	145.2	FGGG			89	23
2977-21364	00000/0000	2-10035/0079	09/25/77	100	3626	5146N 17630W	31.4	144.0	FFGG			89	24
2978-19543	00000/0000	2-10035/0154	09/26/77	90	3639	6658N 14052W	20.2	158.7	FGGG			72	13
2978-19550	00000/0000	2-10035/0155	09/26/77	90	3639	6538N 14222W	21.2	157.1	GGGG			72	14
2978-19552	00000/0000	2-10035/0156	09/26/77	70	3639	6416N 14343W	22.2	155.5	GGGG			72	15
2978-19555	00000/0000	2-10035/0157	09/26/77	60	3639	6255N 14457W	23.2	154.1	GGGG			72	16
2978-19561	00000/0000	2-10035/0158	09/26/77	70	3639	6134N 14606W	24.3	152.7	GGGG			72	17
2978-19564	00000/0000	2-10035/0159	09/26/77	50	3639	6010N 14709W	25.3	151.4	GFGG			72	18
2978-19570	00000/0000	2-10035/0160	09/26/77	70	3639	5846N 14807W	26.3	150.1	GGGG			72	19
2978-19573	00000/0000	2-10035/0161	09/26/77	60	3639	5722N 14901W	27.2	148.9	GGGG			72	20
2978-21361	00000/0000	2-10035/0176	09/26/77	90	3640	7208N 15849W	16.0	167.1	GGGG			90	9
2978-21364	00000/0000	2-10035/0177	09/26/77	70	3640	7053N 16109W	17.0	164.7	GFGG			90	10
2978-21370	00000/0000	2-10035/0178	09/26/77	90	3640	6935N 16313W	18.1	162.5	GGGG			90	11
2978-21373	00000/0000	2-10035/0179	09/26/77	100	3640	6817N 16504W	19.1	160.5	GGGG			90	12
2978-21375	00000/0000	2-10035/0180	09/26/77	70	3640	6657N 16643W	20.2	158.7	GFGG			90	13
2978-21382	00000/0000	2-10035/0181	09/26/77	80	3640	6536N 16812W	21.2	157.1	GGGG			90	14
2978-21384	00000/0000	2-10035/0182	09/26/77	100	3640	6415N 16933W	22.2	155.5	GGGG			90	15
2978-21391	00000/0000	2-10035/0183	09/26/77	100	3640	6254N 17047W	23.2	154.1	GGGG			90	16
2978-21400	00000/0000	2-10035/0184	09/26/77	90	3640	6009N 17257W	25.2	151.4	FGGG			90	18
2978-21402	00000/0000	2-10035/0185	09/26/77	90	3640	5845N 17355W	26.2	150.1	GGGG			90	19
2978-21405	00000/0000	2-10035/0186	09/26/77	80	3640	5722N 17450W	27.2	148.9	GGGG			90	20
2978-21411	00000/0000	2-10035/0187	09/26/77	80	3640	5558N 17542W	28.2	147.7	GGGG			90	21
2978-21414	00000/0000	2-10035/0188	09/26/77	90	3640	5434N 17630W	29.2	146.5	GGGG			90	22
2978-21420	00000/0000	2-10035/0189	09/26/77	60	3640	5309N 17715W	30.1	145.4	GGGG			90	23
2978-21423	00000/0000	2-10035/0190	09/26/77	70	3640	5145N 17757W	31.0	144.3	GGGG			90	24
2979-19593	00000/0000	2-10035/0191	09/27/77	80	3653	6935N 13860W	17.7	162.6	GGGG			73	11
2979-19595	00000/0000	2-10035/0192	09/27/77	70	3653	6817N 14040W	18.8	160.6	GGGG			73	12
2979-20002	00000/0000	2-10035/0193	09/27/77	90	3653	6657N 14219W	19.8	158.9	GGGG			73	13
2979-20004	00000/0000	2-10035/0194	09/27/77	60	3653	6536N 14349W	20.8	157.2	GGGG			73	14
2979-20011	00000/0000	2-10035/0195	09/27/77	30	3653	6415N 14510W	21.9	155.7	GGGG			73	15

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OF POOR QUALITY

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

09139 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0066

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2979-20013	00000/0000	2-10035/0196	09/27/77	90	3653	6253N	14624W	22.9	154.2	GGGG			73	16
2979-20020	00000/0000	2-10035/0197	09/27/77	90	3653	6131N	14732W	23.9	152.9	GGGG			73	17
2979-20022	00000/0000	2-10035/0198	09/27/77	100	3653	6008N	14835W	24.9	151.6	GGGF			73	18
2979-20025	00000/0000	2-10035/0199	09/27/77	100	3653	5845N	14934W	25.9	150.3	GGFF			73	19
2979-20031	00000/0000	2-10035/0200	09/27/77	100	3653	5722N	15028W	26.9	149.1	GGGG			73	20
2979-21415	00000/0000	2-10035/0228	09/27/77	90	3654	7211N	16009W	15.6	167.2	FGGG			91	9
2979-21422	00000/0000	2-10035/0229	09/27/77	90	3654	7056N	16230W	16.6	164.8	FGGG			91	10
2979-21424	00000/0000	2-10035/0230	09/27/77	80	3654	6938N	16435W	17.7	162.7	PGGG			91	11
2979-21431	00000/0000	2-10035/0231	09/27/77	90	3654	6819N	16625W	18.7	160.7	FGGG			91	12
2979-21433	00000/0000	2-10035/0232	09/27/77	90	3654	6659N	16803W	19.8	158.9	FGGG			91	13
2979-21440	00000/0000	2-10035/0233	09/27/77	80	3654	6539N	16932W	20.8	157.3	GGGG			91	14
2979-21481	00000/0000	2-10035/0234	09/27/77	80	3654	5148N	17921W	30.7	144.5	GGGG			91	24
2980-20051	00000/0000	2-10035/0235	09/28/77	90	3667	6936N	14011W	17.3	162.8	GGGG			74	11
2980-20053	00000/0000	2-10035/0236	09/28/77	70	3667	6818N	14202W	18.4	160.8	GGGG			74	12
2980-20060	00000/0000	2-10035/0237	09/28/77	90	3667	6658N	14342W	19.4	159.0	GGGG			74	13
2980-20062	00000/0000	2-10035/0238	09/28/77	90	3667	6537N	14512W	20.4	157.4	GGGG			74	14
2980-20065	00000/0000	2-10035/0239	09/28/77	90	3667	6416N	14633W	21.5	155.9	GGGG			74	15
2980-20071	00000/0000	2-10035/0240	09/28/77	80	3667	6255N	14747W	22.5	154.4	GGGG			74	16
2980-20074	00000/0000	2-10035/0241	09/28/77	80	3667	6132N	14855W	23.5	153.1	GGGG			74	17
2980-20080	00000/0000	2-10035/0242	09/28/77	70	3667	6010N	14958W	24.5	151.8	GGGG			74	18
2980-20083	00000/0000	2-10035/0243	09/28/77	80	3667	5847N	15058W	25.5	150.5	GGGF			74	19
2980-20085	00000/0000	2-10035/0244	09/28/77	70	3667	5723N	15153W	26.5	149.3	FGGG			74	20
2980-20092	00000/0000	2-10035/0245	09/28/77	60	3667	5559N	15244W	27.5	148.1	GGGF			74	21
2980-21480	00000/0000	2-10035/0246	09/28/77	100	3668	7053N	16401W	16.3	164.9	GGGG			92	10
2980-21482	00000/0000	2-10035/0247	09/28/77	90	3668	6935N	16606W	17.3	162.8	GGGG			92	11
2980-21485	00000/0000	2-10035/0248	09/28/77	80	3668	6816N	16756W	18.4	160.8	GGGG			92	12
2980-21491	00000/0000	2-10035/0249	09/28/77	70	3668	6657N	16935W	19.4	159.0	GGGG			92	13
2980-21494	00000/0000	2-10035/0250	09/28/77	50	3668	6536N	17104W	20.4	157.4	GGGF			92	14
2981-20105	00000/0000	2-10035/0251	09/29/77	90	3681	6935N	14143W	17.0	162.9	GGGG			75	11
2981-20111	00000/0000	2-10035/0252	09/29/77	90	3681	6816N	14333W	18.0	160.9	FGGG			75	12
2981-20114	00000/0000	2-10035/0253	09/29/77	90	3681	6656N	14513W	19.0	159.1	FGGG			75	13
2981-20120	00000/0000	2-10035/0254	09/29/77	90	3681	6536N	14642W	20.1	157.5	FGGG			75	14
2981-20123	00000/0000	2-10035/0255	09/29/77	90	3681	6415N	14803W	21.1	156.0	FGGG			75	15
2981-20125	00000/0000	2-10035/0256	09/29/77	60	3681	6253N	14918W	22.1	154.6	GGGG			75	16
2981-20132	00000/0000	2-10035/0257	09/29/77	60	3681	6130N	15026W	23.2	153.2	GGGG			75	17
2981-20134	00000/0000	2-10035/0258	09/29/77	40	3681	6008N	15129W	24.2	151.9	GGGG			75	18

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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09:39 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0067

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2981-20141	00000/0000	2-10035/0259	09/29/77	40	3681	5845N 15227W	25.2	150.7	GGGG			75	19
2981-20143	00000/0000	2-10035/0260	09/29/77	50	3681	5721N 15322W	26.2	149.5	FFGG			75	20
2981-20150	00000/0000	2-10035/0261	09/29/77	60	3681	5557N 15413W	27.2	148.3	GGGG			75	21
2981-21540	00000/0000	2-10035/0262	09/29/77	80	3682	6937N 16732W	16.9	162.9	PGFG			93	11
2981-21543	00000/0000	2-10035/0263	09/29/77	90	3682	6819N 16923W	17.9	161.0	PGGG			93	12
2981-21545	00000/0000	2-10035/0264	09/29/77	100	3682	6659N 17102W	19.0	159.2	FGGG			93	13
2981-21590	00000/0000	2-10035/0265	09/29/77	80	3682	5311N 17827E	29.0	146.1	GGGG			93	23
2982-18372	00000/0000	2-10035/0353	09/30/77	70	3694	5557N 12949W	26.8	148.5	GGGG			58	21
2982-18375	00000/0000	2-10035/0354	09/30/77	60	3694	5433N 13037W	27.8	147.4	GG G			58	22
2982-20163	00000/0000	2-10035/0355	09/30/77	10	3695	6937N 14306W	16.5	163.0	GGGG			76	11
2982-20165	00000/0000	2-10035/0356	09/30/77	10	3695	6818N 14457W	17.6	161.1	GGGG			76	12
2982-20172	00000/0000	2-10035/0357	09/30/77	50	3695	6659N 14637W	18.6	159.3	GFGG			76	13
2982-20174	00000/0000	2-10035/0358	09/30/77	60	3695	6538N 14806W	19.7	157.7	FGGG			76	14
2982-20181	00000/0000	2-10035/0359	09/30/77	30	3695	6417N 14927W	20.7	156.2	GFGG			76	15
2982-20183	00000/0000	2-10035/0360	09/30/77	10	3695	6255N 15040W	21.7	154.7	GFGG			76	16
2982-20190	00000/0000	2-10035/0361	09/30/77	10	3695	6133N 15148W	22.8	153.4	GGGG			76	17
2982-20192	00000/0000	2-10035/0362	09/30/77	20	3695	6010N 15250W	23.8	152.1	GGGG			76	18
2982-20195	00000/0000	2-10035/0363	09/30/77	30	3695	5847N 15349W	24.8	150.9	GGGG			76	19
2982-20201	00000/0000	2-10035/0364	09/30/77	30	3695	5724N 15444W	25.8	149.7	GGFG			76	20
2982-20204	00000/0000	2-10035/0365	09/30/77	20	3695	5600N 15535W	26.8	148.6	GGGG			76	21
2983-18424	00000/0000	2-10035/0381	10/01/77	20	3708	5721N 13021W	25.5	149.8	GGGF			59	20
2983-18430	00000/0000	2-10035/0382	10/01/77	30	3708	5557N 13112W	26.5	148.7	FGGG			59	21
2983-18433	00000/0000	2-10035/0383	10/01/77	30	3708	5433N 13201W	27.5	147.6	GGGG			59	22
2983-20214	00000/0000	2-10035/0384	10/01/77	90	3709	7054N 14227W	15.1	165.2	GGGG			77	10
2983-20221	00000/0000	2-10035/0385	10/01/77	70	3709	6936N 14430W	16.2	163.1	GGGG			77	11
2983-20223	00000/0000	2-10035/0386	10/01/77	40	3709	6818N 14621W	17.2	161.2	FGGG			77	12
2983-20230	00000/0000	2-10035/0387	10/01/77	40	3709	6658N 14800W	18.3	159.4	GGGG			77	13
2983-20232	00000/0000	2-10035/0388	10/01/77	30	3709	6537N 14930W	19.3	157.8	GGGG			77	14
2983-20235	00000/0000	2-10035/0389	10/01/77	10	3709	6416N 15051W	20.4	156.3	GGGG			77	15
2983-20241	00000/0000	2-10035/0390	10/01/77	10	3709	6255N 15206W	21.4	154.9	GGGG			77	16
2983-20244	00000/0000	2-10035/0391	10/01/77	10	3709	6133N 15315W	22.4	153.5	GGGG			77	17
2983-20250	00000/0000	2-10035/0392	10/01/77	10	3709	6009N 15418W	23.4	152.3	GGGG			77	18
2983-20253	00000/0000	2-10035/0393	10/01/77	10	3709	5846N 15517W	24.4	151.1	FGGG			77	19
2983-20255	00000/0000	2-10035/0394	10/01/77	60	3709	5723N 15612W	25.4	149.9	GGGG			77	20
2983-20262	00000/0000	2-10035/0395	10/01/77	90	3709	5559N 15703W	26.4	148.7	GGGG			77	21
2983-20264	00000/0000	2-10035/0396	10/01/77	90	3709	5435N 15751W	27.4	147.6	GGGG			77	22

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KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

09:39 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0068

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2984-18482	00000/0000 2-10035/0397	10/02/77	30	3722	5723N	13147W	25.1 150.1	GG			60	20
2984-18484	00000/0000 2-10035/0398	10/02/77	30	3722	5559N	13238W	26.1 148.9	FQQG			60	21
2984-18491	00000/0000 2-10035/0399	10/02/77	40	3722	5435N	13325W	27.1 147.8	GGGG			60	22
2984-18493	00000/0000 2-10035/0400	10/02/77	50	3722	5311N	13410W	28.1 146.7	GGGG			60	23
2984-20272	00000/0000 2-10035/0414	10/02/77	30	3723	7053N	14356W	14.7 165.3	GGGF			78	10
2984-20275	00000/0000 2-10035/0415	10/02/77	0	3723	6935N	14559W	15.8 163.2	GGGG			78	11
2984-20281	00000/0000 2-10035/0416	10/02/77	30	3723	6817N	14748W	16.9 161.3	GGGG			78	12
2984-20284	00000/0000 2-10035/0417	10/02/77	10	3723	6657N	14927W	17.9 159.5	GGGG			78	13
2984-20293	00000/0000 2-10035/0418	10/02/77	10	3723	6416N	15218W	20.0 156.4	GGFG			78	15
2984-20295	00000/0000 2-10035/0419	10/02/77	20	3723	6254N	15333W	21.0 155.0	GGGG			78	16
2984-20302	00000/0000 2-10035/0420	10/02/77	30	3723	6132N	15442W	22.1 153.7	GGGF			78	17
2984-20304	00000/0000 2-10035/0421	10/02/77	70	3723	6009N	15545W	23.1 152.4	GGGG			78	18
2984-20311	00000/0000 2-10035/0422	10/02/77	80	3723	5846N	15643W	24.1 151.2	GGGG			78	19
2984-20313	00000/0000 2-10035/0423	10/02/77	90	3723	5722N	15737W	25.1 150.1	GGGG			78	20
2984-20320	00000/0000 2-10035/0424	10/02/77	80	3723	5558N	15828W	26.1 148.9	GGGG			78	21
2984-20322	00000/0000 2-10035/0425	10/02/77	60	3723	5434N	15916W	27.1 147.8	GFGG			78	22
2985-18533	00000/0000 2-10035/0453	10/03/77	10	3736	5845N	13222W	23.8 151.4	GGGG			61	19
2985-18540	00000/0000 2-10035/0454	10/03/77	10	3736	5721N	13316W	24.8 150.2	GGGG			61	20
2985-18542	00000/0000 2-10035/0455	10/03/77	30	3736	5557N	13407W	25.8 149.1	GGGG			61	21
2985-18545	00000/0000 2-10035/0456	10/03/77	90	3736	5433N	13454W	26.7 148.0	GGGG			61	22
2985-20330	00000/0000 2-10035/0457	10/03/77	10	3737	7053N	14522W	14.4 165.4	GGGF			79	10
2985-20333	00000/0000 2-10035/0458	10/03/77	10	3737	6935N	14726W	15.4 163.3	GFGG			79	11
2985-20335	00000/0000 2-10035/0459	10/03/77	30	3737	6816N	14916W	16.5 161.4	GGGG			79	12
2985-20342	00000/0000 2-10035/0460	10/03/77	30	3737	6657N	15055W	17.5 159.6	GGGG			79	13
2985-20344	00000/0000 2-10035/0461	10/03/77	70	3737	6536N	15223W	18.6 158.0	GGGG			79	14
2985-20351	00000/0000 2-10035/0462	10/03/77	80	3737	6415N	15345W	19.6 156.5	GGGG			79	15
2985-20353	00000/0000 2-10035/0463	10/03/77	90	3737	6254N	15459W	20.7 155.2	GGGG			79	16
2985-20360	00000/0000 2-10035/0464	10/03/77	100	3737	6131N	15607W	21.7 153.8	GGGG			79	17
2985-20362	00000/0000 2-10035/0465	10/03/77	100	3737	6009N	15711W	22.7 152.6	GGGG			79	18
2985-20371	00000/0000 2-10035/0466	10/03/77	90	3737	5721N	15903W	24.7 150.2	GGGG			79	20
2985-20374	00000/0000 2-10035/0467	10/03/77	90	3737	5558N	15954W	25.7 149.1	GGGG			79	21
2985-20380	00000/0000 2-10035/0468	10/03/77	100	3737	5434N	16041W	26.7 148.0	GGGG			79	22
2986-18585	00000/0000 2-10035/0469	10/04/77	0	3750	6008N	13246W	22.4 152.7	GGGG			62	18
2986-18591	00000/0000 2-10035/0470	10/04/77	30	3750	5845N	13345W	23.4 151.5	GGFG			62	19
2986-18594	00000/0000 2-10035/0471	10/04/77	90	3750	5721N	13440W	24.4 150.4	GGGG			62	20
2986-19000	00000/0000 2-10035/0472	10/04/77	90	3750	5558N	13531W	25.4 149.3	GGFG			62	21

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09:39 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0069

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2986-20385	00000/0000	2=10035/0473	10/04/77	90	3751 7052N	14648W	14.0	165.5	FGGG		80	10
2986-20391	00000/0000	2=10035/0474	10/04/77	90	3751 6934N	14852W	15.1	163.4	FGGG		80	11
2986-20394	00000/0000	2=10035/0475	10/04/77	90	3751 6816N	15042W	16.1	161.5	GGGG		80	12
2986-20400	00000/0000	2=10035/0476	10/04/77	90	3751 6656N	15221W	17.2	159.7	GGGG		80	13
2986-20403	00000/0000	2=10035/0477	10/04/77	70	3751 6535N	15351W	18.2	158.1	GGGG		80	14
2986-20405	00000/0000	2=10035/0478	10/04/77	60	3751 6414N	15512W	19.3	156.7	GGGG		80	15
2986-20412	00000/0000	2=10035/0479	10/04/77	40	3751 6252N	15626W	20.3	155.3	GGGG		80	16
2986-20414	00000/0000	2=10035/0480	10/04/77	50	3751 6130N	15735W	21.3	154.0	GGGG		80	17
2986-20421	00000/0000	2=10035/0481	10/04/77	30	3751 6007N	15838W	22.4	152.7	GGGG		80	18
2986-20423	00000/0000	2=10035/0482	10/04/77	20	3751 5844N	15936W	23.4	151.6	FGGG		80	19
2986-20430	00000/0000	2=10035/0483	10/04/77	30	3751 5720N	16030W	24.4	150.4	GGGF		80	20
2986-20432	00000/0000	2=10035/0484	10/04/77	30	3751 5557N	16121W	25.4	149.3	GGGG		80	21
2986-20435	00000/0000	2=10035/0485	10/04/77	50	3751 5433N	16209W	26.4	148.2	GGGG		80	22
2987-19043	00000/0000	2=10035/0537	10/05/77	30	3764 6008N	13413W	22.0	152.9	GGGG		63	18
2987-19050	00000/0000	2=10035/0538	10/05/77	20	3764 5845N	13511W	23.0	151.7	GGGG		63	19
2987-19052	00000/0000	2=10035/0539	10/05/77	30	3764 5721N	13606W	24.1	150.6	GGGG		63	20
2987-20445	00000/0000	2=10035/0540	10/05/77	10	3765 6936N	15015W	14.6	163.5	GGGG		81	11
2987-20452	00000/0000	2=10035/0541	10/05/77	10	3765 6817N	15205W	15.7	161.6	GGGG		81	12
2987-20454	00000/0000	2=10035/0542	10/05/77	30	3765 6658N	15345W	16.8	159.9	GGGG		81	13
2987-20461	00000/0000	2=10035/0543	10/05/77	10	3765 6538N	15515W	17.8	158.3	GGGG		81	14
2987-20463	00000/0000	2=10035/0544	10/05/77	40	3765 6417N	15637W	18.9	156.9	GGGG		81	15
2987-20470	00000/0000	2=10035/0545	10/05/77	60	3765 6254N	15751W	19.9	155.5	GGGG		81	16
2987-20472	00000/0000	2=10035/0546	10/05/77	80	3765 6132N	15859W	20.9	154.2	GGGG		81	17
2987-20475	00000/0000	2=10035/0547	10/05/77	90	3765 6010N	16002W	22.0	152.9	GGGG		81	18
2987-20481	00000/0000	2=10035/0548	10/05/77	100	3765 5847N	16100W	23.0	151.8	GGGG		81	19
2987-20484	00000/0000	2=10035/0549	10/05/77	100	3765 5723N	16185W	24.0	150.6	GGGG		81	20
2987-20490	00000/0000	2=10035/0550	10/05/77	90	3765 5559N	16246W	25.0	149.5	GGGG		81	21
2987-20493	00000/0000	2=10035/0551	10/05/77	90	3765 5436N	16334W	26.0	148.4	GGGG		81	22
2987-20495	00000/0000	2=10035/0552	10/05/77	80	3765 5311N	16419W	27.0	147.4	GGGG		81	23
2988-19095	00000/0000	2=10035/0767	10/06/77	90	3778 6129N	13437W	20.6	154.3	GGGG		64	17
2988-19101	00000/0000	2=10035/0768	10/06/77	80	3778 6007N	13539W	21.7	153.0	GGGG		64	18
2988-19104	00000/0000	2=10035/0769	10/06/77	90	3778 5844N	13637W	22.7	151.9	GGGG		64	19
2988-19110	00000/0000	2=10035/0770	10/06/77	70	3778 5720N	13731W	23.7	150.7	GGGG		64	20
2988-20501	00000/0000	2=10035/0593	10/06/77	40	3779 7054N	14934W	13.2	165.7	GGGG		82	10
2988-20503	00000/0000	2=10035/0594	10/06/77	70	3779 6937N	15138W	14.3	163.6	GGGG		82	11
2988-20510	00000/0000	2=10035/0597	10/06/77	20	3779 6818N	15328W	15.3	161.7	GGGG		82	12

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09:39 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0070

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2988-20512	00000/0000	2-10035/0598	10/06/77	30	3779	6658N	15507W	16.4	160.0	GGGG					82	13
2988-20515	00000/0000	2-10035/0599	10/06/77	50	3779	6538N	15637W	17.5	158.4	FGGG					82	14
2988-20521	00000/0000	2-10035/0600	10/06/77	80	3779	6417N	15759W	18.5	157.0	GGGG					82	15
2988-20524	00000/0000	2-10035/0594	10/06/77	90	3779	6255N	15914W	19.5	155.6	G					82	16
2988-20530	00000/0000	2-10035/0601	10/06/77	100	3779	6132N	16023W	20.6	154.3	GGG					82	17
2988-20533	00000/0000	2-10035/0602	10/06/77	100	3779	6009N	16126W	21.6	153.1	GGGG					82	18
2988-20535	00000/0000	2-10035/0603	10/06/77	70	3779	5846N	16224W	22.6	151.9	GGGG					82	19
2988-20542	00000/0000	2-10035/0604	10/06/77	40	3779	5723N	16319W	23.7	150.8	GGGG					82	20
2988-20544	00000/0000	2-10035/0605	10/06/77	40	3779	5559N	16411W	24.7	149.7	GGGG					82	21
2988-20551	00000/0000	2-10035/0606	10/06/77	40	3779	5435N	16459W	25.7	148.6	GGGG					82	22
2988-20553	00000/0000	2-10035/0607	10/06/77	40	3779	5310N	16544W	26.7	147.6	GGGG					82	23
2989-19153	00000/0000	2-10035/0625	10/07/77	50	3792	6129N	13604W	20.3	154.4	GGGG					65	17
2989-19155	00000/0000	2-10035/0626	10/07/77	90	3792	6006N	13707W	21.3	153.2	GGGG					65	18
2989-19162	00000/0000	2-10035/0627	10/07/77	80	3792	5843N	13805W	22.3	152.0	GGGG					65	19
2989-19164	00000/0000	2-10035/0628	10/07/77	70	3792	5719N	13859W	23.4	150.9	GGGG					65	20
2989-20555	00000/0000	2-10035/0629	10/07/77	80	3793	7053N	15104W	12.8	165.8	FGGG					83	10
2989-20561	00000/0000	2-10035/0630	10/07/77	10	3793	6935N	15309W	13.9	163.7	FGGG					83	11
2989-20564	00000/0000	2-10035/0631	10/07/77	10	3793	6817N	15459W	15.0	161.8	GGGG					83	12
2989-20570	00000/0000	2-10035/0632	10/07/77	90	3793	6657N	15638W	16.0	160.1	FGGG					83	13
2989-20573	00000/0000	2-10035/0633	10/07/77	90	3793	6537N	15808W	17.1	158.5	GGGG					83	14
2989-20575	00000/0000	2-10035/0634	10/07/77	90	3793	6415N	15930W	18.1	157.1	GGGG					83	15
2989-20582	00000/0000	2-10035/0635	10/07/77	90	3793	6254N	16044W	19.2	155.7	GGGG					83	16
2989-20584	00000/0000	2-10035/0636	10/07/77	20	3793	6132N	16152W	20.2	154.5	GGGG					83	17
2989-20591	00000/0000	2-10035/0637	10/07/77	20	3793	6009N	16255W	21.3	153.2	GGGG					83	18
2989-21000	00000/0000	2-10035/0638	10/07/77	50	3793	5722N	16448W	23.3	150.9	GGGG					83	20
2989-21002	00000/0000	2-10035/0639	10/07/77	90	3793	5558N	16539W	24.3	149.9	GGGG					83	21
2989-21005	00000/0000	2-10035/0640	10/07/77	90	3793	5434N	16627W	25.3	148.8	GGGG					83	22
2989-21011	00000/0000	2-10035/0641	10/07/77	100	3793	5310N	16712W	26.3	147.8	GGGG					83	23
2990-19211	00000/0000	2-10035/0759	10/08/77	10	3806	6132N	13724W	19.9	154.6	GGGG					66	17
2990-19213	00000/0000	2-10035/0760	10/08/77	30	3806	6009N	13827W	20.9	153.4	GGGG					66	18
2990-19220	00000/0000	2-10035/0761	10/08/77	30	3806	5846N	13926W	22.0	152.2	GGGG					66	19
2990-21013	00000/0000	2-10035/0659	10/08/77	90	3807	7052N	15229W	12.5	165.9	GGGG					84	10
2990-21015	00000/0000	2-10035/0660	10/08/77	90	3807	6935N	15433W	13.5	163.8	FGGG					84	11
2990-21022	00000/0000	2-10035/0661	10/08/77	90	3807	6816N	15624W	14.6	161.9	GGGG					84	12
2990-21024	00000/0000	2-10035/0662	10/08/77	90	3807	6656N	15803W	15.7	160.2	GGGG					84	13
2990-21031	00000/0000	2-10035/0663	10/08/77	20	3807	6536N	15932W	16.7	158.7	GGGF					84	14

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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09:39 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0071

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2990-21033	00000/0000	2-10035/0664	10/08/77	40	3807	6415N	16053W	17.8	157.2	GGGG			84	15
2990-21040	00000/0000	2-10035/0665	10/08/77	90	3807	6253N	16208W	18.8	155.9	GGGG			84	16
2990-21042	00000/0000	2-10035/0666	10/08/77	100	3807	6130N	16316W	19.9	154.6	GGGG			84	17
2990-21045	00000/0000	2-10035/0667	10/08/77	90	3807	6008N	16419W	20.9	153.4	GGGG			84	18
2990-21051	00000/0000	2-10035/0668	10/08/77	100	3807	5844N	16517W	21.9	152.2	GGGG			84	19
2990-21054	00000/0000	2-10035/0669	10/08/77	90	3807	5721N	16612W	23.0	151.1	GGGG			84	20
2990-21060	00000/0000	2-10035/0670	10/08/77	90	3807	5557N	16703W	24.0	150.0	GGGG			84	21
2990-21063	00000/0000	2-10035/0671	10/08/77	90	3807	5433N	16751W	25.0	149.0	GGGG			84	22
2990-21065	00000/0000	2-10035/0672	10/08/77	80	3807	5309N	16836W	26.0	147.9	GGGG			84	23
2990-21072	00000/0000	2-10035/0673	10/08/77	50	3807	5145N	16919W	27.0	146.9	GGGG			84	24
2991-19253	00000/0000	2-10035/0864	10/09/77	10	3820	6536N	13511W	16.4	158.8	GGGG			67	14
2991-19260	00000/0000	2-10035/0865	10/09/77	10	3820	6415N	13632W	17.4	157.3	GGGG			67	15
2991-19262	00000/0000	2-10035/0866	10/09/77	10	3820	6254N	13746W	18.5	156.0	FGGG			67	16
2991-19265	00000/0000	2-10035/0867	10/09/77	10	3820	6131N	13854W	19.5	154.7	GGGG			67	17
2991-19271	00000/0000	2-10035/0868	10/09/77	50	3820	6008N	13957W	20.6	153.5	GGGG			67	18
2991-19274	00000/0000	2-10035/0869	10/09/77	100	3820	5845N	14056W	21.6	152.4	GGGG			67	19
2991-21071	00000/0000	2-10035/0718	10/09/77	90	3821	7052N	15358W	12.1	166.0	GGGG			85	10
2991-21073	00000/0000	2-10035/0719	10/09/77	90	3821	6935N	15602W	13.2	163.9	GGGG			85	11
2991-21080	00000/0000	2-10035/0720	10/09/77	100	3821	6816N	15752W	14.2	162.0	GGGG			85	12
2991-21082	00000/0000	2-10035/0721	10/09/77	100	3821	6656N	15931W	15.3	160.3	GGGG			85	13
2991-21085	00000/0000	2-10035/0722	10/09/77	90	3821	6536N	16101W	16.4	158.8	GGGG			85	14
2991-21091	00000/0000	2-10035/0723	10/09/77	90	3821	6416N	16222W	17.4	157.3	GGGG			85	15
2991-21094	00000/0000	2-10035/0724	10/09/77	80	3821	6254N	16335W	18.5	156.0	GGGG			85	16
2991-21100	00000/0000	2-10035/0725	10/09/77	40	3821	6131N	16443W	19.5	154.7	GGGG			85	17
2991-21105	00000/0000	2-10035/0726	10/09/77	40	3821	5845N	16644W	21.6	152.4	GGGG			85	19
2991-21112	00000/0000	2-10035/0727	10/09/77	20	3821	5721N	16739W	22.6	151.3	GGGG			85	20
2991-21114	00000/0000	2-10035/0728	10/09/77	40	3821	5557N	16831W	23.6	150.2	GGGG			85	21
2991-21121	00000/0000	2-10035/0729	10/09/77	50	3821	5432N	16919W	24.6	149.2	GGGG			85	22
2991-21123	00000/0000	2-10035/0730	10/09/77	40	3821	5308N	17004W	25.6	148.1	GGGG			85	23
2991-21130	00000/0000	2-10035/0731	10/09/77	50	3821	5144N	17046W	26.6	147.1	GGGG			85	24
2992-19314	00000/0000	2-10035/0802	10/10/77	10	3834	6415N	13757W	17.1	157.4	FGGG			68	15
2992-19320	00000/0000	2-10035/0803	10/10/77	0	3834	6253N	13911W	18.1	156.1	GGGG			68	16
2992-19323	00000/0000	2-10035/0804	10/10/77	0	3834	6130N	14019W	19.2	154.8	GGGG			68	17
2992-19325	00000/0000	2-10035/0805	10/10/77	70	3834	6007N	14122W	20.2	153.7	GGGG			68	18
2992-19332	00000/0000	2-10035/0806	10/10/77	100	3834	5844N	14220W	21.3	152.5	GGGG			68	19
2992-21125	00000/0000	2-10035/1113	10/10/77	100	3835	7051N	15521W	11.7	166.0	GGGG			86	10

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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09:39 NOV 10, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0072

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2992-21134	00000/0000	2-10035/1114	10/10/77	60	3835	6815N 15916W	13.9	162.1	GGGG			86	12
2992-21141	00000/0000	2-10035/1116	10/10/77	70	3835	6655N 16055W	14.9	160.4	GFGG			86	13
2992-21143	00000/0000	2-10035/1116	10/10/77	80	3835	6535N 16225W	16.0	158.9	GGGG			86	14
2992-21150	00000/0000	2-10035/1117	10/10/77	60	3835	6413N 16347W	17.1	157.4	GGGG			86	15
2992-21152	00000/0000	2-10035/1118	10/10/77	20	3835	6252N 16502W	18.1	156.1	GGGG			86	16
2992-21155	00000/0000	2-10035/1119	10/10/77	30	3835	6130N 16610W	19.2	154.8	GGGG			86	17
2992-21161	00000/0000	2-10035/1120	10/10/77	40	3835	6007N 16713W	20.2	153.6	GGFG			86	18
2992-21164	00000/0000	2-10035/1121	10/10/77	40	3835	5844N 16812W	21.2	152.5	GGGG			86	19
2992-21170	00000/0000	2-10035/1122	10/10/77	50	3835	5721N 16906W	22.3	151.4	GGGG			86	20
2992-21173	00000/0000	2-10035/1123	10/10/77	40	3835	5556N 16957W	23.3	150.4	GGGG			86	21
2992-21175	00000/0000	2-10035/1124	10/10/77	40	3835	5432N 17045W	24.3	149.3	GGGG			86	22
2992-21182	00000/0000	2-10035/1125	10/10/77	50	3835	5308N 17130W	25.3	148.3	GGGG			86	23
2992-21184	00000/0000	2-10035/1126	10/10/77	60	3835	5143N 17213W	26.3	147.3	GGGG			86	24
2993-19375	00000/0000	2-10035/0870	10/11/77	30	3848	6251N 14039W	17.8	156.2	GGG			69	16
2993-19381	00000/0000	2-10035/0871	10/11/77	30	3848	6129N 14146W	18.8	155.0	GGGG			69	17
2993-19384	00000/0000	2-10035/0872	10/11/77	90	3848	6006N 14249W	19.9	153.8	GGGG			69	18
2993-19390	00000/0000	2-10035/0873	10/11/77	90	3848	5843N 14347W	20.9	152.6	GGGG			69	19
2993-21181	00000/0000	2-10035/0874	10/11/77	90	3849	7206N 15433W	10.3	168.4	GGGG			87	9
2993-21183	00000/0000	2-10035/0875	10/11/77	90	3849	7050N 15653W	11.4	166.1	GFGG			87	10
2993-21190	00000/0000	2-10035/0876	10/11/77	90	3849	6932N 15856W	12.4	164.0	GFGG			87	11
2993-21192	00000/0000	2-10035/0877	10/11/77	10	3849	6814N 16046W	13.5	162.2	GGGG			87	12
2993-21195	00000/0000	2-10035/0878	10/11/77	10	3849	6655N 16225W	14.6	160.5	GFFG			87	13
2993-21201	00000/0000	2-10035/0879	10/11/77	20	3849	6534N 16355W	15.7	159.0	GFGG			87	14
2993-21204	00000/0000	2-10035/0880	10/11/77	70	3849	6412N 16516W	16.7	157.5	GFGF			87	15
2993-21210	00000/0000	2-10035/0881	10/11/77	90	3849	6251N 16629W	17.8	156.2	GGGG			87	16
2993-21213	00000/0000	2-10035/0882	10/11/77	90	3849	6129N 16736W	18.8	155.0	GGGG			87	17
2993-21215	00000/0000	2-10035/0883	10/11/77	70	3849	6006N 16839W	19.9	153.8	GGGG			87	18
2993-21222	00000/0000	2-10035/0884	10/11/77	60	3849	5842N 16938W	20.9	152.6	GGGG			87	19
2993-21224	00000/0000	2-10035/0885	10/11/77	60	3849	5719N 17033W	21.9	151.6	GGGG			87	20
2993-21231	00000/0000	2-10035/0886	10/11/77	70	3849	5555N 17124W	22.9	150.5	GFGG			87	21
2993-21233	00000/0000	2-10035/0887	10/11/77	50	3849	5431N 17212W	24.0	149.5	GFGG			87	22
2993-21240	00000/0000	2-10035/0888	10/11/77	60	3849	5306N 17258W	25.0	148.5	GFGG			87	23
2993-21242	00000/0000	2-10035/0889	10/11/77	50	3849	5141N 17340W	26.0	147.5	GFGG			87	24
2994-19424	00000/0000	2-10035/1009	10/12/77	100	3862	6534N 13932W	15.3	159.0	GGGG			70	14
2994-19430	00000/0000	2-10035/1010	10/12/77	90	3862	6413N 14053W	16.4	157.6	GGGG			70	15
2994-19433	00000/0000	2-10035/1011	10/12/77	70	3862	6251N 14206W	17.4	156.3	GGGG			70	16

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09:39 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0073

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2994-19435	00000/0000	2-10035/1012	10/12/77	40	3862	6128N 14315W	18.5	155.1	GGGG			70	17
2994-19442	00000/0000	2-10035/1013	10/12/77	50	3862	6005N 14418W	19.5	153.9	GGGG			70	18
2994-19444	00000/0000	2-10035/1014	10/12/77	40	3862	5842N 14516W	20.6	152.8	GGGG			70	19
2994-19451	00000/0000	2-10035/1015	10/12/77	60	3862	5718N 14610W	21.6	151.7	GGGG			70	20
2994-21235	00000/0000	2-10035/1016	10/12/77	90	3863	7209N 15551W	9.9	168.5	GGGG			88	9
2994-21241	00000/0000	2-10035/1017	10/12/77	90	3863	7053N 15812W	11.0	166.2	GGGG			88	10
2994-21244	00000/0000	2-10035/1018	10/12/77	90	3863	6935N 16017W	12.0	164.2	GGGG			88	11
2994-21250	00000/0000	2-10035/1019	10/12/77	10	3863	6817N 16208W	13.1	162.3	GGGG			88	12
2994-21253	00000/0000	2-10035/1020	10/12/77	10	3863	6657N 16347W	14.2	160.6	GGGG			88	13
2994-21255	00000/0000	2-10035/1021	10/12/77	10	3863	6536N 16517W	15.3	159.1	GGGG			88	14
2994-21262	00000/0000	2-10035/1022	10/12/77	40	3863	6415N 16638W	16.3	157.7	GGGG			88	15
2994-21264	00000/0000	2-10035/1023	10/12/77	30	3863	6252N 16752W	17.4	156.4	GGGG			88	16
2994-21271	00000/0000	2-10035/1024	10/12/77	70	3863	6130N 16900W	18.4	155.1	GGGG			88	17
2994-21273	00000/0000	2-10035/1025	10/12/77	90	3863	6008N 17002W	19.5	153.9	GGGG			88	18
2994-21280	00000/0000	2-10035/1026	10/12/77	70	3863	5845N 17101W	20.5	152.8	GGGG			88	19
2994-21282	00000/0000	2-10035/1027	10/12/77	90	3863	5721N 17156W	21.5	151.7	GGGG			88	20
2994-21285	00000/0000	2-10035/1028	10/12/77	90	3863	5557N 17247W	22.6	150.7	GGGG			88	21
2994-21291	00000/0000	2-10035/1029	10/12/77	90	3863	5433N 17334W	23.6	149.7	GGGG			88	22
2994-21294	00000/0000	2-10035/1030	10/12/77	90	3863	5309N 17419W	24.6	148.7	GGGG			88	23
2994-21300	00000/0000	2-10035/1031	10/12/77	80	3863	5144N 17502W	25.6	147.7	GGGG			88	24
2995-19473	00000/0000	2-10035/0923	10/13/77	80	3876	6813N 13750W	12.8	162.3	GF GG			71	12
2995-19475	00000/0000	2-10035/0924	10/13/77	30	3876	6653N 13929W	13.9	160.7	GGGG			71	13
2995-19482	00000/0000	2-10035/0925	10/13/77	70	3876	6533N 14058W	15.0	159.1	GGG			71	14
2995-19484	00000/0000	2-10035/0926	10/13/77	80	3876	6411N 14219W	16.0	157.7	GGGG			71	15
2995-19491	00000/0000	2-10035/0927	10/13/77	70	3876	6250N 14333W	17.1	156.4	GGGG			71	16
2995-19493	00000/0000	2-10035/0928	10/13/77	70	3876	6127N 14441W	18.1	155.2	GGGG			71	17
2995-19500	00000/0000	2-10035/0929	10/13/77	70	3876	6004N 14544W	19.2	154.0	GGGG			71	18
2995-19502	00000/0000	2-10035/0930	10/13/77	60	3876	5842N 14642W	20.2	152.9	GGG			71	19
2995-19505	00000/0000	2-10035/0931	10/13/77	50	3876	5718N 14736W	21.3	151.8	GGGG			71	20
2995-21293	00000/0000	2-10035/0932	10/13/77	80	3877	7208N 15720W	9.5	168.5	GGGG			89	9
2995-21295	00000/0000	2-10035/0933	10/13/77	90	3877	7052N 15940W	10.6	166.3	GGGG			89	10
2995-21302	00000/0000	2-10035/0934	10/13/77	40	3877	6934N 16145W	11.7	164.2	GGGG			89	11
2995-21304	00000/0000	2-10035/0935	10/13/77	10	3877	6815N 16335W	12.8	162.4	GGG			89	12
2995-21311	00000/0000	2-10035/0936	10/13/77	20	3877	6655N 16514W	13.8	160.7	GGGF			89	13
2995-21320	00000/0000	2-10035/0937	10/13/77	40	3877	6414N 16806W	14.0	157.8	GGGG			89	15
2995-21322	00000/0000	2-10035/0938	10/13/77	70	3877	6252N 16920W	17.0	156.5	GGGG			89	16

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09:39 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0074

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME, ROW NUMBER
2995-21325	00000/0000	2-10035/0939	10/13/77	90	3877	6129N	17028W	18.1	155.2	GGGG			89	17
2995-21331	00000/0000	2-10035/0940	10/13/77	90	3877	6006N	17132W	19.1	154.1	GGGG			89	18
2995-21334	00000/0000	2-10035/0941	10/13/77	80	3877	5843N	17230W	20.2	152.9	GGGG			89	19
2995-21340	00000/0000	2-10035/0942	10/13/77	60	3877	5720N	17325W	21.2	151.9	GGGG			89	20
2995-21343	00000/0000	2-10035/0943	10/13/77	70	3877	5556N	17416W	22.2	150.8	GGGG			89	21
2995-21345	00000/0000	2-10035/0944	10/13/77	60	3877	5432N	17503W	23.3	149.8	GGGG			89	22
2995-21352	00000/0000	2-10035/0945	10/13/77	70	3877	5308N	17548W	24.3	148.9	GGGG			89	23
2995-21354	00000/0000	2-10035/0946	10/13/77	50	3877	5143N	17631W	25.3	147.9	FGGG			89	24
2996-19533	00000/0000	2-10035/1073	10/14/77	100	3890	6655N	14054W	13.5	160.8	GGGG			72	13
2996-19540	00000/0000	2-10035/1074	10/14/77	100	3890	6535N	14223W	14.6	159.3	GGGG			72	14
2996-19542	00000/0000	2-10035/1075	10/14/77	100	3890	6413N	14344W	15.6	157.9	GGGG			72	15
2996-19545	00000/0000	2-10035/1076	10/14/77	100	3890	6252N	14457W	16.7	156.6	GGGG			72	16
2996-19551	00000/0000	2-10035/1077	10/14/77	100	3890	6130N	14606W	17.8	155.3	GGGG			72	17
2996-19554	00000/0000	2-10035/1078	10/14/77	100	3890	6007N	14709W	18.8	154.2	GGGG			72	18
2996-19560	00000/0000	2-10035/1079	10/14/77	100	3890	5843N	14807W	19.8	153.1	GGGG			72	19
2996-19563	00000/0000	2-10035/1080	10/14/77	100	3890	5720N	14901W	20.9	152.0	GGGG			72	20
2996-21351	00000/0000	2-10035/1081	10/14/77	90	3891	7206N	15849W	9.2	168.6	GGGG			90	9
2996-21353	00000/0000	2-10035/1082	10/14/77	80	3891	7050N	16107W	10.3	166.3	GGGG			90	10
2996-21360	00000/0000	2-10035/1083	10/14/77	40	3891	6933N	16311W	11.3	164.3	GGGG			90	11
2996-21362	00000/0000	2-10035/1084	10/14/77	30	3891	6814N	16502W	12.4	162.4	GGGG			90	12
2996-21365	00000/0000	2-10035/1085	10/14/77	50	3891	6654N	16640W	13.5	160.8	GGGG			90	13
2996-21371	00000/0000	2-10035/1086	10/14/77	70	3891	6534N	16809W	14.6	159.3	GGGG			90	14
2996-21380	00000/0000	2-10035/1087	10/14/77	40	3891	6250N	17046W	16.7	156.6	GGGG			90	16
2996-21383	00000/0000	2-10035/1088	10/14/77	90	3891	6128N	17154W	17.7	155.3	GGGG			90	17
2996-21385	00000/0000	2-10035/1089	10/14/77	90	3891	6005N	17258W	18.8	154.2	GGGG			90	18
2996-21392	00000/0000	2-10035/1090	10/14/77	70	3891	5842N	17357W	19.8	153.1	GGGG			90	19
2996-21394	00000/0000	2-10035/1091	10/14/77	50	3891	5718N	17452W	20.9	152.0	GGGG			90	20
2996-21401	00000/0000	2-10035/1092	10/14/77	60	3891	5554N	17543W	21.9	151.0	GGGG			90	21
2996-21403	00000/0000	2-10035/1093	10/14/77	80	3891	5430N	17630W	22.9	150.0	GGGG			90	22
2996-21410	00000/0000	2-10035/1094	10/14/77	90	3891	5306N	17715W	23.9	149.0	GGGG			90	23
2996-21412	00000/0000	2-10035/1095	10/14/77	70	3891	5142N	17757W	25.0	148.1	GGGG			90	24
2997-19582	00000/0000	2-10035/1096	10/15/77	100	3904	6933N	13851W	11.0	164.3	GGGG			73	11
2997-19585	00000/0000	2-10035/1097	10/15/77	100	3904	6814N	14040W	12.1	162.5	GGGG			73	12
2997-19591	00000/0000	2-10035/1098	10/15/77	100	3904	6654N	14220W	13.2	160.9	GGGG			73	13
2997-19594	00000/0000	2-10035/1099	10/15/77	100	3904	6534N	14350W	14.2	159.3	FGGG			73	14
2997-20000	00000/0000	2-10035/1100	10/15/77	100	3904	6412N	14511W	15.3	158.0	GGGG			73	15

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

ORIGINAL PAGE 1,
DE POOR QUALITY

09:39 NOV 10, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0075

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS DATA 123 45678	MSS MODE	MSS GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2997-20003	00000/0000	2=10035/1101	10/15/77	100	3904	6250N	14625W	16.4 156.7	GGGG		73	16
2997-20005	00000/0000	2=10035/1102	10/15/77	100	3904	6128N	14734W	17.4 155.4	GGGG		73	17
2997-20012	00000/0000	2=10035/1103	10/15/77	80	3904	6005N	14837W	18.5 154.3	GGGG		73	18
2997-20014	00000/0000	2=10035/1104	10/15/77	40	3904	5841N	14936W	19.5 153.2	GGGG		73	19
2997-20021	00000/0000	2=10035/1105	10/15/77	30	3904	5718N	15031W	20.6 152.1	GGGG		73	20
2997-21411	00000/0000	2=10035/1112	10/15/77	100	3905	7049N	16237W	9.9 166.3	G		91	10
2997-21414	00000/0000	2=10035/1106	10/15/77	30	3905	6931N	16441W	11.0 164.3	GGFG		91	11
2997-21420	00000/0000	2=10035/1107	10/15/77	30	3905	6813N	16632W	12.1 162.5	GGGG		91	12
2997-21423	00000/0000	2=10035/1108	10/15/77	70	3905	6653N	16811W	13.1 160.8	GGGG		91	13
2997-21425	00000/0000	2=10035/1109	10/15/77	80	3905	6532N	16939W	14.2 159.3	GGGG		91	14
2997-21432	00000/0000	2=10035/1110	10/15/77	90	3905	6411N	17100W	15.3 157.9	GGGG		91	15
2997-21470	00000/0000	2=10035/1111	10/15/77	80	3905	5140N	17926W	24.6 148.2	GGGG		91	24
2998-20043	00000/0000	2=10035/1171	10/16/77	90	3918	6813N	14208W	11.7 162.6	GGGG		74	12
2998-20045	00000/0000	2=10035/1172	10/16/77	90	3918	6653N	14348W	12.8 160.9	GGGG		74	13
2998-20052	00000/0000	2=10035/1173	10/16/77	70	3918	6532N	14517W	13.9 159.4	GGGG		74	14
2998-20054	00000/0000	2=10035/1174	10/16/77	90	3918	6411N	14638W	14.9 158.0	GGGG		74	15
2998-20061	00000/0000	2=10035/1175	10/16/77	100	3918	6249N	14752W	16.0 156.7	GGGG		74	16
2998-20063	00000/0000	2=10035/1176	10/16/77	90	3918	6127N	14900W	17.1 155.5	GGGG		74	17
2998-20070	00000/0000	2=10035/1177	10/16/77	90	3918	6004N	15002W	18.1 154.4	GGGG		74	18
2998-20072	00000/0000	2=10035/1178	10/16/77	80	3918	5841N	15100W	19.2 153.3	GGGG		74	19
2998-20075	00000/0000	2=10035/1179	10/16/77	70	3918	5717N	15155W	20.2 152.3	GGGG		74	20
2998-20081	00000/0000	2=10035/1180	10/16/77	60	3918	5554N	15246W	21.3 151.3	GGGG		74	21
2998-21465	00000/0000	2=10035/1181	10/16/77	80	3919	7051N	16400W	9.5 166.5	GGGG		92	10
2998-21472	00000/0000	2=10035/1182	10/16/77	90	3919	6934N	16604W	10.6 164.4	GGGG		92	11
2998-21474	00000/0000	2=10035/1183	10/16/77	80	3919	6815N	16755W	11.7 162.6	GGGG		92	12
2998-21481	00000/0000	2=10035/1184	10/16/77	60	3919	6655N	16935W	12.8 161.0	GGGG		92	13
2998-21483	00000/0000	2=10035/1185	10/16/77	40	3919	6535N	17104W	13.8 159.5	GGGG		92	14

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR HAWAII
FROM 10/01/77 TO 10/31/77

PAGE 0076

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2990-19331	00000/0000	2-10035/0674	10/08/77	20	3806	2016N 15355W	44.7	121.7	GGGG			66	46
2990-19334	00000/0000	2-10035/0675	10/08/77	30	3806	1850N 15416W	45.3	120.2	GGGG			66	47
2990-19340	00000/0000	2-10035/0676	10/08/77	40	3806	1724N 15438W	45.8	118.7	GGGG			66	48
2991-19383	00000/0000	2-10035/0698	10/09/77	30	3820	2143N 15459W	44.0	123.5	FGGG			67	45
2991-19385	00000/0000	2-10035/0699	10/09/77	40	3820	2016N 15521W	44.6	122.1	GGG			67	46
2991-19392	00000/0000	2-10035/0700	10/09/77	30	3820	1850N 15543W	45.1	120.7	GGGG			67	47
2991-19394	00000/0000	2-10035/0701	10/09/77	30	3820	1723N 15604W	45.6	119.2	FGGG			67	48
2994-19551	00000/0000	2-10035/0890	10/12/77	10	3862	2306N 15858W	42.8	126.2	FGGG			70	44
2994-19553	00000/0000	2-10035/0891	10/12/77	10	3862	2140N 15919W	43.4	124.9	GGGG			70	45
2994-19560	00000/0000	2-10035/0892	10/12/77	20	3862	2013N 15942W	44.0	123.5	GGGG			70	46
2995-20005	00000/0000	2-10035/0974	10/13/77	30	3876	2305N 16022W	42.5	126.6	GGGG			71	44
2995-20011	00000/0000	2-10035/0977	10/13/77	20	3876	2140N 16043W	43.2	125.3	GGGG			71	45
2995-20014	00000/0000	2-10035/0978	10/13/77	20	3876	2014N 16105W	43.8	123.9	GGGG			71	46

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0078

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY R&V MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY R&V MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
06757W	4730N	2990-14153	10	GGGG	12	27	07403W	3854N	2992-14292	10	GGGG	14	33
06833W	4605N	2990-14160	0	GGGG	12	28	07420W	4605N	2994-14384	60	GGGG	16	28
06907W	4439N	2990-14162	10	GGGG	12	29	07425W	3311N	2991-14252	40	GGGG	13	37
06927W	4729N	2991-14211	100	GGGG	13	27	07431W	4147N	2993-14341	10	FFFG	15	31
06940W	4314N	2990-14165	40	GGGG	12	30	07431W	3736N	2974-14305	60	GGGG	14	34
07001W	4604N	2991-14214	100	GGGG	13	28	07432W	3729N	2992-14295	30	GGGG	14	34
07011W	4147N	2990-14171	60	GGGG	12	31	07451W	3146N	2991-14255	30	GGGG	13	38
07034W	4439N	2991-14220	100	GGGG	13	29	07454W	4439N	2994-14390	60	GGGG	16	29
07042W	4022N	2990-14174	90	GGGG	12	32	07458W	3610N	2974-14311	30	GGGG	14	35
07051W	4728N	2992-14265	90	GGGG	14	27	07500W	3603N	2992-14301	40	GGGF	14	35
07052W	4732N	2974-14275	80	GGGG	14	27	07501W	4021N	2993-14344	10	FFFG	15	32
07106W	4313N	2991-14223	100	GGGG	13	30	07524W	3443N	2974-14314	30	GGGG	14	36
07111W	3856N	2990-14180	90	GGGG	12	33	07526W	4314N	2994-14393	40	GGGG	16	30
07126W	4603N	2992-14272	90	GGGG	14	28	07526W	3437N	2992-14304	40	GGGG	14	36
07127W	4607N	2974-14282	50	GGGG	14	28	07529W	3854N	2993-14350	20	FFFG	15	33
07137W	4148N	2991-14225	100	GGGG	13	31	07545W	4607N	2977-14452	90	GGGG	17	28
07139W	3730N	2990-14183	80	GGGG	12	34	07546W	4604N	2995-14442	60	GGGG	17	28
07200W	4438N	2992-14274	90	GGGG	14	29	07550W	3316N	2974-14320	70	GGFG	14	37
07201W	4442N	2974-14284	50	GGGG	14	29	07551W	3311N	2992-14310	50	GGGG	14	37
07206W	3604N	2990-14185	50	GGGG	12	35	07557W	4148N	2994-14395	30	GGGG	16	31
07208W	4021N	2991-14232	100	GGGG	13	32	07557W	3728N	2993-14353	10	FFFG	15	34
07232W	4312N	2992-14281	90	GGGG	14	30	07615W	3150N	2974-14323	90	GGGG	14	38
07233W	4317N	2974-14291	70	GGGG	14	30	07616W	3145N	2992-14313	70	GGGG	14	38
07238W	3855N	2991-14234	100	GGGG	13	33	07619W	4441N	2977-14455	100	GGGG	17	29
07254W	4602N	2993-14330	20	FFFG	15	28	07619W	4438N	2995-14444	10	GGGG	17	29
07303W	4146N	2992-14283	80	GGGG	14	31	07624W	3603N	2993-14355	30	FFFG	15	35
07304W	4152N	2974-14293	90	GGGG	14	31	07626W	4023N	2994-14402	30	GGGG	16	32
07306W	3729N	2991-14241	100	GGGG	13	34	07637W	4731N	2978-14504	100	GGGF	18	27
07327W	4437N	2993-14332	10	FFFG	15	29	07640W	3024N	2974-14325	40	GGFG	14	39
07333W	3604N	2991-14243	90	GGGG	13	35	07641W	3019N	2992-14315	70	GG	14	39
07334W	4026N	2974-14300	100	GGGG	14	32	07651W	4315N	2977-14461	90	GGGG	17	30
07334W	4020N	2992-14290	20	GGGG	14	32	07651W	3437N	2993-14362	30	FFGG	15	36
07345W	4730N	2994-14381	40	GGGG	16	27	07652W	4313N	2995-14451	50	GGGG	17	30
07359W	3437N	2991-14250	60	GGGG	13	36	07654W	3858N	2994-14404	50	GGGG	16	33
07400W	4312N	2993-14335	10	FFGG	15	30	07705W	2858N	2974-14332	40	GGGG	14	40
07403W	3901N	2974-14302	90	GGGG	14	33	07705W	2852N	2992-14322	30	GGFG	14	40

KEYS: CLOUD COVER % :..... 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE; G = GOOD; P = POOR; F = FAIR;

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE. 0079

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
07712W	4606N	2978-14510	100	GGGF	18	28	07941W	2433N	2993-14391	10	GGGFFGG	15	43
07717W	3311N	2993-14364	60	FFGG	15	37	07942W	4316N	2979-14573	30	GGGG	19	30
07722W	4149N	2977-14464	90	GGGF	17	31	07942W	3440N	2977-14484	10	GGGG	17	36
07722W	3732N	2994-14411	70	GGGG	16	34	07943W	4310N	2997-14563	20	GGGG	19	30
07723W	4147N	2995-14453	90	GGGG	17	31	07943W	3438N	2995-14474	100	GGGG	17	36
07728W	2731N	2974-14334	60	GGGG	14	41	07948W	3857N	2978-14531	90	GGGG	18	33
07729W	2726N	2992-14324	20	GGGG	14	41	07948W	3855N	2996-14521	80	GGFG	18	33
07742W	3145N	2993-14371	70	FFGG	15	38	07957W	2855N	2994-14434	50	GGGG	16	40
07745W	4440N	2978-14513	90	GGFF	18	29	08004W	4603N	2998-15012	90	GGGG	20	28
07746W	4437N	2996-14503	90	FGGG	18	29	08008W	3314N	2977-14491	30	GGGG	17	37
07749W	3606N	2994-14413	90	GGGG	16	35	08008W	3312N	2995-14480	90	GGGG	17	37
07751W	4024N	2977-14470	100	GGGG	17	32	08013W	4150N	2979-14580	50	GGGG	19	31
07753W	4022N	2995-14460	80	GGGG	17	32	08015W	4144N	2997-14570	10	GGGG	19	31
07801W	4733N	2979-14562	90	PGGG	19	27	08016W	3732N	2978-14533	90	GGGF	18	34
07807W	3019N	2993-14373	60	GG	15	39	08016W	3729N	2996-14523	90	GGFG	18	34
07816W	3440N	2994-14420	90	GGGG	16	36	08021W	4853N	2999-15061	10	GGGG	21	26
07817W	4315N	2978-14515	80	FGGG	18	30	08022W	2728N	2994-14440	20	GGGG	16	41
07818W	4311N	2996-14505	90	GGG	18	30	08033W	3149N	2977-14493	20	GGGG	17	38
07820W	3858N	2977-14473	70	GGFG	17	33	08033W	3146N	2995-14483	90	GGGG	17	38
07821W	3856N	2995-14462	30	GGGG	17	33	08037W	4439N	2998-15015	90	GGGG	20	29
07831W	2852N	2993-14380	70	FFGG	15	40	08039W	4439N	2980-15025	90	GGGG	20	29
07836W	4607N	2979-14564	100	GGGG	19	28	08043W	3606N	2978-14540	80	GGGG	18	35
07842W	3314N	2994-14422	90	GGGG	16	37	08044W	4024N	2979-14582	90	GGG	19	32
07848W	4149N	2978-14522	80	GGGG	18	31	08044W	3603N	2996-14530	90	GGGG	18	35
07849W	4146N	2996-14512	80	FGGG	18	31	08045W	4019N	2997-14572	20	GGGG	19	32
07849W	3732N	2977-14475	40	GGGG	17	34	08045W	2601N	2994-14443	20	GGGG	16	42
07849W	3729N	2995-14465	80	GGGG	17	34	08053W	4732N	2981-15074	30	GGGG	21	27
07855W	2726N	2993-14382	20	GGGFFFG	15	41	08057W	4728N	2999-15064	0	GGGG	21	27
07908W	3147N	2994-14425	60	GGGG	16	38	08058W	3022N	2977-14500	30	GGGG	17	39
07909W	4442N	2979-14571	90	GGGG	19	29	08058W	3020N	2995-14485	70	GGGG	17	39
07916W	3606N	2977-14482	10	GGGG	17	35	08107W	2435N	2994-14445	40	GGGG	16	43
07917W	3603N	2995-14471	100	GGGG	17	35	08109W	4313N	2998-15021	70	GGGG	20	30
07918W	4023N	2978-14524	90	GGFG	18	32	08110W	3440N	2978-14542	40	GGFF	18	36
07919W	4021N	2996-14514	70	GGGG	18	32	08111W	4314N	2980-15031	60	GGGG	18	30
07919W	2600N	2993-14385	10	GGGFFGG	15	42	08111W	3437N	2996-14532	50	GGG	18	36
07933W	3021N	2994-14431	60	GGGG	16	39	08113W	3859N	2979-14585	100	GGGG	18	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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OF POOR QUALITY

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0080

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
08114W	3854N	2997-14575	0	GGGG	19	33	08300W	3316N	2979-15003	30	GGGG	19	37
08122W	2856N	2977-14502	50	GGGG	17	40	08303W	3309N	2997-14593	0	GGGG	19	37
08123W	2855N	2995-14492	10	GGGG	17	40	08306W	4151N	2981-15092	90	GGGG	21	31
08128W	4607N	2981-15080	60	GGGG	21	28	08307W	3730N	2998-15035	90	FGGG	20	34
08132W	4603N	2999-15070	10	GGGG	21	28	08308W	4147N	2999-15082	20	GGGG	21	31
08135W	3314N	2978-14545	40	GGGG	18	37	08308W	3731N	2980-15045	70	GGGG	20	34
08136W	3311N	2996-14535	10	G GG	18	37	08311W	4854N	2983-15184	20	GGGG	23	26
08140W	4147N	2998-15024	80	GGGG	20	31	08313W	2725N	2996-14553	30	GGGG	18	41
08141W	4148N	2980-15034	60	GGGG	20	31	08325W	3150N	2979-15005	20	GGGG	19	38
08141W	3733N	2979-14591	100	GGGG	19	34	08327W	3144N	2997-14595	0	GGGG	19	38
08143W	3728N	2997-14581	0	GGGG	19	34	08330W	4440N	2982-15141	60	GGGG	22	29
08144W	4856N	2982-15125	70	FGGG	22	26	08330W	4437N	6000-15131	90	GGGG	22	29
08146W	2728N	2995-14494	10	GGGG	17	41	08334W	3604N	2998-15042	80	GGGG	20	35
08159W	3148N	2978-14551	20	GGGF	18	38	08335W	3605N	2980-15052	30	GGGG	20	35
08201W	3144N	2996-14541	10	GG G	18	38	08336W	4025N	2981-15094	30	GGGG	21	32
08202W	4442N	2981-15083	90	GGGG	21	29	08336W	2559N	2996-14555	40	GG G	18	42
08205W	4438N	2999-15073	10	GGGG	21	29	08338W	4021N	2999-15084	10	GGGG	21	32
08209W	3608N	2979-14594	90	GGGG	19	35	08348W	4730N	2983-15190	60	GGGG	23	27
08210W	3602N	2997-14584	0	GGGG	19	35	08349W	3024N	2979-15012	30	GGGG	19	39
08210W	2602N	2995-14501	40	GGGG	17	42	08352W	3018N	2997-15002	0	GGGG	19	39
08211W	4022N	2980-15040	80	GGGG	20	32	08359W	2433N	2996-14562	70	GGGG	18	43
08211W	4022N	2998-15030	90	GGGG	20	32	08401W	3438N	2998-15044	70	GGGG	20	36
08221W	4731N	2982-15132	60	GGGG	22	27	08402W	3439N	2980-15054	10	GGGG	20	36
08222W	4727N	6000-15122	100	GGGG	22	27	08403W	4315N	2982-15143	90	GPGG	22	30
08224W	3022N	2978-14554	30	GGGF	18	39	08405W	3859N	2981-15101	30	GGGG	21	33
08226W	3018N	2996-14544	10	GG G	18	39	08407W	3855N	2999-15091	10	GGGG	21	33
08235W	4317N	2981-15085	90	GGGG	21	30	08416W	2852N	2997-15004	10	GGGG	19	40
08235W	3442N	2979-15000	40	GGGG	19	36	08422W	4605N	2983-15193	50	GGGG	23	28
08237W	4312N	2999-15075	20	GGGG	21	30	08427W	3314N	2980-15061	10	GGGG	20	37
08237W	3435N	2997-14590	0	GGFG	19	36	08427W	3312N	2998-15051	20	FGGG	20	37
08239W	3856N	2998-15033	70	FGGG	20	33	08433W	3734N	2981-15103	50	GGGG	21	34
08240W	3857N	2980-15043	80	GGGG	20	33	08434W	4149N	2982-15150	90	GGGG	22	31
08249W	2855N	2978-14560	30	FGGF	18	40	08434W	4145N	6000-15140	30	GGGG	22	31
08250W	2852N	2996-14550	10	GG G	18	40	08435W	3729N	2999-15093	0	GGGG	21	34
08256W	4606N	2982-15134	70	PGGG	22	28	08436W	4854N	2984-15242	10	GGGG	21	26
08257W	4602N	6000-15124	90	GGGG	22	28	08440W	2725N	2997-15011	40	GGGG	19	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=HAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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09:34 NOV 10, '77

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0081

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
08452W	3146N	2998-15053	10	GGGG	20	38	08655W	3437N	6000-15160	10	GGFG	22	36
08453W	3148N	2980-15063	0	GGGG	20	38	08657W	3857N	2983-15213	60	GGGG	23	33
08456W	4439N	2983-15195	90	GGGG	23	29	08706W	2857N	2981-15130	30	GGGG	21	40
08500W	3608N	2981-15110	70	GGGG	21	35	08709W	2853N	2999-15120	10	GGGG	21	40
08503W	3603N	2999-15100	0	GGGG	21	35	08711W	4607N	2985-15305	0	GGFG	25	28
08504W	4023N	2982-15152	10	GGGG	22	32	08719W	3314N	2982-15173	70	GGGG	22	37
08504W	4020N	6000-15142	10	GGGF	22	32	08720W	3311N	6000-15163	0	GGFG	22	37
08512W	4729N	2984-15244	10	GGGG	24	27	08723W	4148N	2984-15262	30	GGGG	24	31
08517W	3021N	2980-15070	10	GGGG	20	39	08725W	3731N	2983-15220	80	GGGG	23	34
08517W	3020N	2998-15060	0	GGGG	20	39	08729W	2731N	2981-15133	10	GGGG	21	41
08527W	3442N	2981-15112	90	GGGG	21	36	08733W	2727N	2999-15123	10	FGGG	21	41
08528W	4314N	2983-15202	100	GGGG	23	30	08744W	4442N	2985-15311	0	GGGG	25	29
08530W	3437N	2999-15102	0	GGGG	21	36	08744W	3149N	2982-15175	50	GGGG	22	38
08533W	3858N	2982-15155	50	GGGG	22	33	08745W	3145N	6000-15165	10	FGGG	22	38
08533W	3854N	6000-15145	60	GGGG	22	33	08752W	3605N	2983-15222	80	GGGG	23	35
08541W	2854N	2980-15072	30	GGGG	20	40	08753W	4022N	2984-15265	50	GGGG	24	32
08541W	2854N	2998-15062	20	GGGG	20	40	08805W	4732N	2986-15360	20	GGGG	26	27
08547W	4604N	2984-15251	20	GGGG	24	28	08809W	3022N	2982-15182	40	GGGG	22	39
08552W	3316N	2981-15115	90	GGGG	21	37	08809W	3020N	6000-15172	10	FGGG	22	39
08555W	3312N	2999-15105	0	GGFG	21	37	08817W	4317N	2985-15314	10	GGGG	25	30
08559W	4149N	2983-15204	100	GGGG	23	31	08819W	3439N	2983-15225	80	GGGG	23	36
08600W	4858N	2985-15300	20	GGGG	25	26	08822W	3856N	2984-15271	60	GGGG	24	33
08601W	3732N	2982-15161	90	GGGG	22	34	08833W	2855N	2982-15184	20	GGGG	22	40
08601W	3728N	6000-15151	80	GGFG	22	34	08833W	2853N	6000-15174	30	GGGG	22	40
08604W	2728N	2998-15065	50	GGGG	20	41	08840W	4606N	2986-15363	10	FGGG	26	28
08617W	3150N	2981-15121	90	GGGG	21	38	08845W	3313N	2983-15231	70	GGGG	23	37
08620W	3146N	2999-15111	0	GGGG	21	38	08848W	4151N	2985-15320	0	GGGG	25	31
08621W	4438N	2984-15253	40	GGGG	24	29	08850W	3730N	2984-15274	70	GGFG	24	34
08628W	3606N	2982-15164	90	GGGG	22	35	08855W	4856N	2987-15412	60	GGGG	27	26
08628W	3602N	6000-15154	40	GGFG	22	35	08856W	2728N	2982-15191	20	GGGG	22	41
08629W	4023N	2983-15211	90	GGGG	23	32	08856W	2726N	6000-15181	40	GGGG	22	41
08636W	4733N	2985-15302	30	GGFG	25	27	08910W	3147N	2983-15234	50	GGGG	23	38
08641W	3023N	2981-15124	70	GGGG	21	39	08914W	4441N	2986-15365	0	GGGG	26	29
08645W	3020N	2999-15114	0	FGGG	21	39	08918W	4025N	2985-15323	0	GGGG	25	32
08653W	4313N	2984-15260	40	GGGG	24	30	08918W	3604N	2984-15280	80	GGFG	24	35
08654W	3440N	2982-15170	100	PGGG	22	36	08931W	4731N	2987-15414	50	GGGG	27	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0082

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
08935W	3021N	2983-15240	40	GGGG	23	39	09308W	4149N	2988-15490	10	GGGG	28	31
08944W	3439N	2984-15283	90	GGFG	24	36	09308W	3733N	2987-15444	90	GGFG	27	34
08946W	4315N	2986-15372	10	GGGG	26	30	09312W	4854N	2990-15582	90	GGG	30	26
08947W	3900N	2985-15325	0	GGGG	25	33	09327W	3150N	2986-15404	20	FFFF	26	38
08959W	2855N	2983-15243	20	GGGG	23	40	09332W	4439N	2989-15540	100	GGGF	29	29
09006W	4606N	2987-15421	10	GGGG	27	28	09336W	3607N	2987-15450	90	GGFG	27	35
09010W	3314N	2984-15285	90	GGFG	24	37	09337W	4024N	2988-15493	10	GGGG	28	32
09015W	3734N	2985-15332	0	GGGG	25	34	09349W	4729N	2990-15585	90	GGGG	30	27
09017W	4150N	2986-15374	0	GGGG	26	31	09352W	3023N	2986-15410	10	GGG	26	39
09018W	4856N	2988-15470	80	GGGG	28	26	09403W	3441N	2987-15453	90	GGFG	27	36
09035W	3148N	2984-15292	90	GGGG	24	38	09404W	4313N	2989-15542	100	GGGG	29	30
09039W	4441N	2987-15423	10	GGGG	27	29	09406W	3858N	2988-15495	30	GGGG	28	33
09042W	3607N	2985-15334	0	GGGG	25	35	09416W	2857N	2986-15413	30	GGGG	26	40
09046W	4024N	2986-15381	10	GGGG	26	32	09424W	4603N	2990-15591	100	GGGG	30	28
09054W	4731N	2988-15472	70	FGGG	28	27	09429W	3315N	2987-15455	90	GGGG	27	37
09100W	3021N	2984-15294	60	GGGG	24	39	09435W	3731N	2988-15502	80	GGGG	28	34
09109W	3442N	2985-15341	10	GGFG	25	36	09436W	4148N	2989-15545	100	GGGG	29	31
09111W	4315N	2987-15430	20	GGGG	27	30	09439W	4854N	2991-16040	50	GGGG	31	26
09114W	3859N	2986-15383	10	GGGG	26	33	09440W	2730N	2986-15415	40	GGGG	26	41
09125W	2854N	2984-15301	50	GGGG	24	40	09454W	3149N	2987-15462	80	GGGG	27	38
09130W	4605N	2988-15475	60	GGGG	28	28	09457W	4438N	2990-15594	100	GGGG	30	29
09135W	3316N	2985-15343	0	GGGG	25	37	09502W	3605N	2988-15504	90	GGGG	28	35
09142W	4150N	2987-15432	60	GGGG	27	31	09503W	2603N	2986-15422	40	GGGG	26	42
09142W	3733N	2986-15390	10	GGGG	26	34	09506W	4022N	2989-15551	100	GGGG	29	32
09148W	4855N	2989-15524	100	GGGG	29	26	09515W	4729N	2991-16043	50	GGGG	31	27
09200W	3150N	2985-15350	10	GGGG	25	38	09519W	3022N	2987-15464	50	GGGG	27	39
09204W	4440N	2988-15481	70	GGGG	28	29	09526W	2437N	2986-15424	40	GGGG	26	43
09209W	3607N	2986-15392	20	GGFG	26	35	09529W	3439N	2988-15511	90	GGGG	28	36
09211W	4024N	2987-15435	70	GGFG	27	32	09530W	4313N	2990-16000	100	GGGG	30	30
09223W	4730N	2989-15531	100	GGGG	29	27	09535W	3856N	2989-15554	100	GGGG	29	33
09225W	3024N	2985-15352	10	GGGG	25	39	09543W	2856N	2987-15471	20	GGFG	27	40
09236W	3441N	2986-15395	30	GGG	26	36	09550W	4603N	2991-16045	20	GGGG	31	28
09237W	4314N	2988-15484	40	FGGG	28	30	09555W	3314N	2988-15513	70	GGGG	28	37
09240W	3858N	2987-15441	90	FGGG	27	33	09601W	4147N	2990-16003	90	GGGG	30	31
09258W	4605N	2989-15533	100	GGGG	29	28	09603W	4856N	2974-16104	100	GGGG	32	26
09302W	3316N	2986-15401	30	GGGG	26	37	09603W	3731N	2989-15560	90	GGFG	29	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G.=GOOD. P.=POOR. F.=FAIR.ORIGINAL PAGE IS
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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0083

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PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
09607W	4852N	2992-16094	80	GGGG	32	26	09848W	3312N	2990-16030	50	GGGG	30	37
09607W	2729N	2987-15473	30	GGGF	27	41	09852W	4152N	2974-16125	10	GGGG	32	31
09620W	3147N	2988-15520	90	GGGG	28	38	09854W	4147N	2992-16115	90	GGGG	32	31
09623W	4438N	2991-16052	10	GGGG	31	29	09855W	3730N	2991-16072	10	GGGG	31	34
09630W	3605N	2989-15563	90	GGFG	29	35	09857W	4854N	2994-16210	60	GGGG	34	26
09630W	2602N	2987-15480	10	GGGF	27	42	09859W	2727N	2989-15590	60	GGGG	29	41
09631W	4022N	2990-16005	60	GGGG	30	32	09913W	3146N	2990-16032	70	GGGG	30	38
09639W	4731N	2974-16111	100	GGGG	32	27	09917W	4436N	2993-16164	80	GGGG	33	29
09643W	4727N	2992-16101	60	GFGG	32	27	09922W	4026N	2974-16131	10	GGGG	32	32
09645W	3021N	2988-15522	80	GGGG	28	39	09923W	3604N	2991-16075	20	GGGG	31	35
09654W	2435N	2987-15482	10	GGGF	27	43	09923W	2602N	2989-15592	30	GGGG	29	42
09656W	4313N	2991-16054	10	GGGG	31	30	09924W	4021N	2992-16121	90	GGGG	32	32
09657W	3439N	2989-15565	90	GGGG	29	36	09934W	4729N	2994-16213	60	GGGG	34	27
09700W	3855N	2990-16012	10	GFGG	30	33	09937W	3019N	2990-16035	70	GGGG	30	39
09709W	2854N	2988-15525	20	GGGG	28	40	09949W	4310N	2993-16170	60	GGGG	33	30
09714W	4607N	2974-16113	90	GGGG	32	28	09949W	3438N	2991-16081	60	GGGG	31	36
09718W	4602N	2992-16103	60	GGGG	32	28	09951W	3900N	2974-16134	0	GGGG	32	33
09722W	3312N	2989-15572	90	GGGG	29	37	09953W	3855N	2992-16124	90	GGGG	32	33
09727W	4147N	2991-16061	30	GFGG	31	31	10001W	2853N	2990-16041	40	GGGG	30	40
09728W	3730N	2990-16014	30	GGGG	30	34	10009W	4603N	2994-16215	10	GGGG	34	28
09733W	4852N	2993-16152	70	GGGG	33	26	10015W	3312N	2991-16084	50	GGGG	31	37
09733W	2728N	2988-15531	30	GGGG	28	41	10019W	3734N	2974-16140	10	GGGG	32	34
09748W	4442N	2974-16120	90	GGGG	32	29	10020W	4145N	2993-16173	10	GGGG	33	31
09748W	3146N	2989-15574	80	GGGG	29	38	10021W	3729N	2992-16130	40	GGGG	32	34
09751W	4437N	2992-16110	80	GGGG	32	29	10024W	4855N	2977-16275	100	GGGG	35	26
09755W	3604N	2990-16021	60	GGGF	30	35	10024W	4853N	2995-16265	40	GGGG	35	26
09757W	4022N	2991-16063	10	GGGG	31	32	10024W	2727N	2990-16044	40	GGGG	30	41
09757W	2602N	2988-15534	20	GGGG	28	42	10040W	3146N	2991-16090	70	GGGG	31	38
09810W	4726N	2993-16155	80	GGGG	33	27	10043W	4438N	2994-16222	0	GGGG	34	29
09812W	3020N	2989-15581	40	GGGG	29	39	10046W	3608N	2974-16143	0	GGGG	32	35
09821W	4317N	2974-16122	50	GGGG	32	30	10048W	3603N	2992-16133	0	GGGG	32	35
09822W	3438N	2990-16023	40	GGGG	30	36	10048W	2601N	2990-16050	10	GGGG	30	42
09823W	4311N	2992-16112	90	GGGG	32	30	10050W	4019N	2993-16175	0	GGGG	33	32
09826W	3855N	2991-16070	0	FGGG	31	33	10100W	4728N	2995-16271	10	GGGF	35	27
09836W	2853N	2989-15583	40	GGGG	29	40	10101W	4730N	2977-16281	80	GGGG	35	27
09844W	4601N	2993-16161	70	GGGG	33	28	10104W	3020N	2991-16093	70	GGGG	31	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0084

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
10113W	3442N	2974-16145	10	GGGG	32	36	10314W	4857N	2979-16391	10	GGGF	37	26
10114W	4313N	2994-16224	10	GGGG	34	30	10314W	4854N	2997-16381	0	GGGG	37	26
10114W	3438N	2992-16135	0	GGGG	32	36	10317W	2731N	2974-16170	0	GGGG	32	41
10119W	3853N	2993-16182	0	GGGG	33	33	10318W	2727N	2992-16160	10	GGGG	32	41
10127W	2853N	2991-16095	70	GGGG	31	40	10332W	3144N	2993-16202	0	GGGG	33	38
10136W	4605N	2977-16284	20	GGGG	35	28	10334W	4442N	2978-16344	10	GGGG	36	29
10136W	4603N	2995-16274	0	FGGG	35	28	10334W	4436N	2996-16334	60	GGGG	36	29
10139W	3316N	2974-16152	30	GGGG	32	37	10340W	3605N	2994-16245	0	GGGG	34	35
10139W	3311N	2992-16142	0	GGGG	32	37	10342W	4023N	2977-16302	10	GGGG	35	32
10145W	4148N	2994-16231	0	GGGG	34	31	10342W	4021N	2995-16292	0	GGGG	35	32
10148W	4858N	2978-16333	90	GGFG	36	26	10351W	4732N	2979-16393	0	GGGG	37	27
10148W	3727N	2993-16184	10	GGGG	33	34	10351W	4729N	2997-16383	0	FGGG	37	27
10150W	4852N	2996-16323	10	GGGG	36	26	10357W	3018N	2993-16205	10	GGGG	33	39
10151W	2727N	2991-16102	80	GGGG	31	41	10406W	4317N	2978-16351	10	GGGG	36	30
10204W	3150N	2974-16154	10	GGGG	32	38	10406W	3439N	2994-16251	0	GGGG	34	36
10204W	3144N	2992-16144	0	GGGG	32	38	10407W	4311N	2996-16341	10	GGGG	36	30
10209W	4440N	2977-16290	10	FGGG	35	29	10410W	3858N	2977-16304	0	GGGG	35	33
10209W	4438N	2995-16280	0	GGGG	35	29	10412W	3856N	2995-16294	0	GGGG	35	33
10214W	4022N	2994-16233	0	GGGG	34	32	10421W	2852N	2993-16211	10	GGGG	33	40
10215W	3601N	2993-16191	10	GGGG	33	35	10426W	4607N	2979-16400	20	GGGG	37	28
10225W	4733N	2978-16335	70	GGGG	36	27	10426W	4604N	2997-16390	0	GGG	37	28
10226W	4727N	2996-16325	40	GGGG	36	27	10431W	3312N	2994-16254	0	GGGG	34	37
10229W	3024N	2974-16161	10	GGGG	32	39	10437W	4151N	2978-16353	30	GGGG	36	31
10229W	3018N	2992-16151	20	GGGG	32	39	10437W	4145N	2996-16343	10	GGGG	36	31
10241W	4315N	2977-16293	30	GGGG	35	30	10438W	3732N	2977-16311	0	GGGG	35	34
10241W	4312N	2995-16283	0	GGGG	35	30	10439W	3730N	2995-16301	0	FGGG	35	34
10241W	3435N	2993-16193	10	GGFG	33	36	10440W	4854N	2980-16445	90	GGGG	38	26
10243W	3857N	2994-16240	0	GGGG	34	33	10442W	4852N	2998-16435	10	GGGG	38	26
10253W	2858N	2974-16163	0	GGGG	32	40	10444W	2726N	2993-16214	10	GGGG	33	41
10254W	2853N	2992-16153	10	GGGG	32	40	10456W	3146N	2994-16260	0	GGGG	34	38
10300W	4608N	2978-16342	10	GGGG	36	28	10459W	4442N	2979-16402	0	FGGG	37	29
10301W	4601N	2996-16332	90	GGGG	36	28	10459W	4439N	2997-16392	0	GGGG	37	29
10307W	3309N	2993-16200	10	GGGG	33	37	10505W	3606N	2977-16313	0	GGGG	35	35
10312W	4149N	2977-16295	10	GGGG	35	31	10506W	3603N	2995-16303	0	GGGG	35	35
10312W	4146N	2995-16285	0	GGGG	35	31	10507W	4026N	2978-16360	80	GGGG	36	32
10312W	3731N	2994-16242	0	GGGG	34	34	10507W	4019N	2996-16350	10	GGGG	36	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0085

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
10517W	4729N	2980-16451	60	GGGG	38	27	10702W	3859N	2979-16420	10	GGGG	37	33
10519W	4727N	2998-16441	60	GGGG	38	27	10702W	3857N	2997-16410	0	GGGG	37	33
10521W	3020N	2994-16263	10	GGGG	34	39	10713W	2855N	2977-16334	10	GGGG	35	40
10532W	4316N	2979-16405	0	GGGG	37	30	10713W	2853N	2995-16324	20	GGGG	35	40
10532W	4313N	2997-16395	10	GGGG	37	30	10718W	4606N	2981-16512	90	GGGG	39	28
10532W	3440N	2977-16320	0	GGGG	35	36	10719W	4602N	2999-16502	10	FFGG	39	28
10532W	3438N	2995-16310	0	GGGG	35	36	10724W	3311N	2996-16370	10	GGGG	36	37
10536W	3900N	2978-16362	30	FFGG	36	33	10725W	3317N	2978-16380	40	GGGG	36	37
10536W	3854N	2996-16352	10	GGGG	36	33	10729W	4148N	2980-16465	10	GGGG	38	31
10545W	2854N	2994-16265	10	GGGG	34	40	10730W	3733N	2979-16423	20	GGGG	37	34
10552W	4604N	2980-16454	30	GGGG	38	28	10730W	3731N	2997-16413	0	GGGG	37	34
10554W	4603N	2998-16444	0	GGGG	38	28	10731W	4856N	2982-16561	100	GGGG	40	26
10558W	3313N	2995-16312	10	GGGG	35	37	10731W	4146N	2998-16455	0	GGGG	38	31
10559W	3315N	2977-16322	0	FFGG	35	37	10734W	4851N	6000-16551	10	GGGG	40	26
10603W	4150N	2979-16411	10	GGGG	37	31	10749W	3146N	2996-16373	10	GGGG	36	38
10603W	4147N	2997-16401	10	FFGG	37	31	10750W	3151N	2978-16383	20	GGGG	36	38
10604W	3734N	2978-16365	30	GGGG	36	34	10752W	4441N	2981-16514	70	GGGG	39	29
10604W	3729N	2996-16355	0	GGGG	36	34	10753W	4437N	2999-16504	10	GGFG	39	29
10606W	4857N	2981-16503	100	GGGG	39	26	10757W	3605N	2997-16415	0	GGGG	37	35
10607W	4852N	2999-16493	10	FFGG	39	26	10758W	3607N	2979-16425	40	GGGG	37	35
10624W	3148N	2977-16325	0	GGGG	35	38	10759W	4022N	2980-16472	30	GGGG	38	32
10624W	3146N	2995-16315	0	GGGG	35	38	10801W	4021N	2998-16462	0	GGGG	38	32
10625W	4439N	2980-16460	20	GGGG	38	29	10808W	4731N	2982-16564	100	GGGG	40	27
10628W	4438N	2998-16450	0	GGGG	38	29	10810W	4727N	6000-16553	10	GGGG	40	27
10631W	3603N	2996-16361	0	GGGG	36	35	10814W	3024N	2978-16385	10	GGGG	36	39
10632W	3609N	2978-16371	60	GGGG	36	35	10814W	3020N	2996-16375	20	GGGG	36	39
10633W	4024N	2979-16414	10	GGGG	37	32	10824W	4315N	2981-16521	60	GGGG	39	30
10633W	4022N	2997-16404	10	FFGG	37	32	10824W	3442N	2979-16432	70	GGGG	37	36
10643W	4732N	2981-16505	90	GGGG	39	27	10824W	3439N	2997-16422	0	FFGG	37	36
10644W	4727N	2999-16495	0	GGFG	39	27	10825W	4312N	2999-16511	10	FFGG	39	30
10649W	3022N	2977-16331	10	GGGG	35	39	10828W	3856N	2980-16474	20	GGGG	38	33
10649W	3019N	2995-16321	20	GGGG	35	39	10830W	3855N	2998-16464	0	GGGG	38	33
10658W	4314N	2980-16463	10	GGGG	38	30	10837W	2853N	2996-16382	10	GGGG	36	40
10658W	3437N	2996-16364	0	GGGG	36	36	10838W	2858N	2978-16392	10	GGGG	36	40
10659W	3443N	2978-16374	90	GGGG	36	36	10843W	4606N	2982-16570	90	GGGG	40	28
10700W	4312N	2998-16453	0	GGGG	38	30	10846W	4601N	6000-16560	10	GGGG	40	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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OF POOR QUALITY

09:34 NOV 10, 1977

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0086

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
10850W	3316N	2979-16434	50	GGG	37	37	11043W	3146N	2998-16485	10	GGGG	38	38
10850W	3313N	2997-16424	0	GGGG	37	37	11050W	4023N	2982-16584	50	GGGG	40	32
10855W	4150N	2981-16523	10	GGGG	39	31	11050W	3607N	2981-16541	50	GGGG	39	35
10856W	4146N	2999-16513	0	FGFG	39	31	11050W	3603N	2999-16531	10	GGGG	39	35
10856W	3731N	2980-16481	40	GGGG	38	34	11052W	4019N	6000-16574	0	GGGG	40	32
10858W	4855N	2983-17015	90	GGGG	41	26	11103W	4729N	2984-17080	40	FGGG	42	27
10858W	3730N	2998-16471	0	GGGG	38	34	11105W	3020N	2980-16501	10	GGGG	38	39
10916W	3150N	2979-16441	10	GGGG	37	38	11107W	3020N	2998-16491	0	GGGG	38	39
10916W	3147N	2997-16431	0	GGGG	37	38	11115W	4314N	2983-17033	60	GGGG	41	30
10917W	4440N	2982-16573	90	GGGG	40	29	11116W	3437N	2999-16534	10	GGGG	39	36
10919W	4435N	6000-16562	10	GGGG	40	29	11117W	3441N	2981-16544	10	GGGG	39	36
10924W	3606N	2980-16483	40	GGGG	38	35	11119W	3858N	2982-16591	30	GGGG	40	33
10926W	4024N	2981-16530	20	GGGG	39	32	11121W	3854N	6000-16580	0	GGGG	40	33
10926W	4020N	2999-16520	10	GGGG	39	32	11138W	4604N	2984-17082	50	GGGG	42	28
10926W	3604N	2998-16473	0	GGGG	38	35	11142W	3311N	2999-16540	0	GGFG	39	37
10935W	4730N	2983-17022	90	FGGG	41	27	11143W	3314N	2981-16550	10	GGGG	39	37
10940W	3023N	2979-16443	10	GGGG	37	39	11147W	4148N	2983-17040	40	GGGG	41	31
10940W	3020N	2997-16433	0	GGGG	37	39	11148W	3732N	2982-16593	20	GGGG	40	34
10949W	4314N	2982-16575	80	GGGG	40	30	11149W	3728N	6000-16583	10	GGGG	40	34
10951W	4309N	6000-16565	0	GGGG	40	30	11150W	4857N	2985-17131	80	GGGG	43	26
10951W	3440N	2980-16490	40	GGGG	38	36	11206W	3145N	2999-16543	0	GGGG	39	38
10952W	3438N	2998-16480	10	GGGG	38	36	11208W	3148N	2981-16553	10	GGGG	39	38
10955W	3858N	2981-16532	70	GGGG	39	33	11212W	4439N	2984-17085	30	FGGG	42	29
10955W	3854N	2999-16522	0	GGFG	39	33	11215W	3606N	2982-17000	10	GGGG	40	35
11003W	2857N	2979-16450	10	GGGG	37	40	11216W	3602N	6000-16585	10	GGGG	40	35
11003W	2854N	2997-16440	10	GGGG	37	40	11217W	4023N	2983-17042	10	GGGG	41	32
11010W	4605N	2983-17024	90	GGGG	41	28	11227W	4731N	2985-17134	70	GGGG	43	27
11016W	3313N	2980-16492	20	GGGG	38	37	11230W	3019N	2999-16545	0	FGGG	39	39
11018W	3312N	2998-16482	10	GGGG	38	37	11232W	3022N	2981-16555	0	GGGG	39	39
11020W	4149N	2982-16582	70	GGGG	40	31	11242W	3440N	2982-17002	10	GGGG	40	36
11022W	4144N	6000-16571	0	GGGG	40	31	11242W	3436N	6000-16592	10	GGGG	40	36
11023W	3732N	2981-16535	50	GGGG	39	34	11244W	4313N	2984-17091	10	FGGG	42	30
11023W	3729N	2999-16525	0	GGGG	39	34	11246W	3858N	2983-17045	10	GGGG	41	33
11026W	4854N	2984-17073	20	GGGG	42	26	11302W	4606N	2985-17140	70	GGGG	43	28
11041W	3146N	2980-16495	10	GGGG	38	38	11308W	3313N	2982-17005	0	GGGG	40	37
11043W	4440N	2983-17031	80	GGGG	41	29	11308W	3311N	6000-16594	10	GGGG	40	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

09:34 NOV 10, 1977

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0087

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OF POOR QUALITY

PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
11314W	3732N	2983-17051	0	GGGG	41	34	11646W	4729N	2988-17304	40	GGGG	46	27
11315W	4147N	2984-17094	10	GGGG	42	31	11700W	4314N	2987-17261	40	GGGG	45	30
11317W	4855N	2986-17185	60	GGGG	44	26	11700W	3441N	2985-17172	0	GGGF	43	36
11333W	3145N	6000-17001	10	GGGG	40	38	11706W	3857N	2986-17215	0	GGGG	44	33
11334W	3146N	2982-17011	0	GGGG	40	38	11721W	4604N	2988-17311	80	GGG	46	28
11336W	4441N	2985-17143	10	GGGG	43	29	11726W	3315N	2985-17175	30	GGGG	43	37
11341W	3605N	2983-17054	0	GGGG	41	35	11732W	4149N	2987-17264	20	GGGG	45	31
11345W	4021N	2984-17100	0	FGGG	42	32	11734W	3731N	2986-17221	10	GGGG	44	34
11354W	4730N	2986-17192	10	GGGG	44	27	11735W	4854N	2989-17360	80	GGGG	47	26
11358W	3019N	6000-17003	10	FGGG	40	39	11751W	3149N	2985-17181	70	GGFG	43	38
11359W	3020N	2982-17014	10	GGGG	40	39	11755W	4439N	2988-17313	60	GGGG	46	29
11408W	4316N	2985-17145	0	GGGG	43	30	11801W	3606N	2986-17224	50	GGGG	44	35
11408W	3439N	2983-17060	0	GGFG	41	36	11802W	4023N	2987-17270	10	GGGG	45	32
11414W	3856N	2984-17103	0	GGGG	42	33	11811W	4729N	2989-17362	50	GGGG	47	27
11429W	4605N	2986-17194	0	GGGG	44	28	11828W	4314N	2988-17320	70	GGGG	46	30
11434W	3313N	2983-17063	0	GGGG	41	37	11828W	3440N	2986-17230	50	GGGG	44	36
11439W	4150N	2985-17152	0	GGGG	43	31	11831W	3858N	2987-17273	10	GGGG	45	33
11442W	4855N	2987-17243	60	GGFF	45	26	11846W	4604N	2989-17365	80	GGGG	47	28
11442W	3731N	2984-17105	0	GGFG	42	34	11854W	3314N	2986-17233	30	GGGF	44	37
11459W	3147N	2983-17065	0	GGGG	41	38	11859W	4148N	2988-17322	60	GGGG	46	31
11503W	4440N	2986-17201	10	GGGG	44	29	11859W	3732N	2987-17275	30	GGGG	45	34
11509W	4025N	2985-17154	0	GGGG	43	32	11903W	4853N	2990-17414	90	GGGG	48	26
11509W	3605N	2984-17112	0	GGGG	42	35	11920W	4439N	2989-17371	80	GGGG	47	29
11519W	4730N	2987-17250	70	GGGF	45	27	11926W	3606N	2987-17282	20	GGGG	45	35
11535W	4315N	2986-17203	0	GGGG	44	30	11929W	4022N	2988-17325	50	GGGG	46	32
11536W	3438N	2984-17114	0	GGGG	42	36	11939W	4728N	2990-17420	80	GGGG	48	27
11538W	3859N	2985-17161	0	FGGG	43	33	11952W	4313N	2989-17374	50	GGGG	47	30
11554W	4605N	2987-17252	80	GGGF	45	28	11952W	3439N	2987-17284	30	GGGF	45	36
11602W	3312N	2984-17121	10	GGGG	42	37	11958W	3857N	2988-17331	40	GGGG	46	33
11606W	4150N	2986-17210	0	GGGF	44	31	12014W	4603N	2990-17423	40	GGGG	48	28
11606W	3733N	2985-17163	0	GGGG	43	34	12017W	3313N	2987-17291	40	GGFG	45	37
11610W	4854N	2988-17302	10	GGG	46	26	12023W	4147N	2989-17380	20	GGGG	47	31
11627W	4440N	2987-17255	50	GGGG	45	29	12026W	3731N	2988-17334	30	GGGG	46	34
11627W	3146N	2984-17123	40	GGGG	42	38	12029W	4853N	2991-17472	80	GGGG	49	26
11634W	3606N	2985-17170	0	GGGG	43	35	12048W	4438N	2990-17425	10	GGGG	48	29
11636W	4024N	2986-17212	0	GGG	44	32	12053W	3605N	2988-17340	10	GGGG	46	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

09:34 NOV 10, 1977

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 10/01/77 TO 10/31/77

PAGE 0088

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
12054W	4022N	2989-17383	0	GGGG	47	32	12319W	3730N	2990-17450	30	GGGG	48	34
12105W	4727N	2991-17474	50	GGGG	49	27	12320W	4855N	2993-17584	10	QFGF	51	26
12120W	4312N	2990-17432	10	GFGG	48	30	12338W	4441N	2974-17552	40	GGGG	50	29
12120W	3438N	2988-17343	40	GGGG	46	36	12338W	4440N	2992-17541	10	GGGG	50	29
12123W	3856N	2989-17385	0	GGFG	47	33	12347W	4020N	2991-17495	20	GGGG	49	32
12140W	4602N	2991-17481	40	GGGG	49	28	12347W	3603N	2990-17452	10	GGGF	48	35
12145W	3312N	2988-17345	60	GGGG	46	37	12356W	4730N	2993-17590	10	GGFG	51	27
12151W	4147N	2990-17434	10	GGGG	48	31	12410W	4315N	2992-17544	10	GGGG	50	30
12152W	3730N	2989-17392	10	GGGG	47	34	12411W	4316N	2974-17554	40	GGGG	50	30
12153W	4855N	2992-17530	80	GGGG	50	26	12416W	3854N	2991-17501	40	GGFG	49	33
12154W	4857N	2974-17540	40	GGGG	50	26	12431W	4604N	2993-17593	10	GGFF	51	28
12213W	4437N	2991-17483	20	GFGG	49	29	12441W	4149N	2992-17550	10	GGGG	50	31
12220W	3604N	2989-17394	10	GGGG	47	35	12442W	4150N	2974-17561	20	GFGG	50	31
12222W	4022N	2990-17441	0	GGGF	48	32	12444W	3729N	2991-17504	40	GGGG	49	34
12229W	4730N	2992-17532	90	GGGG	50	27	12505W	4499N	2993-17595	10	GGGF	51	29
12230W	4732N	2974-17543	40	GGGG	50	27	12511W	4024N	2992-17553	10	GGGG	50	32
12245W	4311N	2991-17490	30	GGGG	49	30	12512W	4024N	2974-17563	10	GGFG	50	32
12247W	3438N	2989-17401	30	GGGG	47	36	12537W	4314N	2993-18002	10	FFGG	51	30
12251W	3856N	2990-17443	20	FGGG	48	33	12540W	3858N	2992-17555	10	GGGG	50	33
12304W	4606N	2992-17835	40	GFGG	50	28	12541W	3858N	2974-17570	10	GGGG	50	33
12305W	4607N	2974-17545	40	GGGG	50	28	12608W	4148N	2993-18004	10	GGGF	51	31
12316W	4146N	2991-17492	10	GGGG	49	31							

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09:39 NOV 10, 1977

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0089

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
17827E	5311N	2981-21590	80	GGGG	93	23	13805W	5843N	2989-19162	80	GGGG	65	19
12949W	5557N	2982-18372	70	GGGG	58	21	13827W	6009N	2990-19213	30	GGGG	66	18
13021W	5721N	2983-18424	20	GGGF	59	20	13850W	6935N	2979-19593	80	GGGG	73	11
13037W	5433N	2982-18375	60	GG G	58	22	13851W	6933N	2997-19582	100	GGGG	73	11
13112W	5557N	2983-18430	30	FGGG	59	21	13854W	6131N	2991-19265	10	GGGG	67	17
13147W	5723N	2984-18482	30	GG	60	20	13859W	5719N	2989-19164	70	GGGG	65	20
13201W	5433N	2983-18433	30	GGGG	59	22	13911W	6253N	2992-19320	0	FGGG	68	16
13222W	5845N	2985-18533	10	GGGG	61	19	13916W	6254N	2974-19331	100	GGGG	68	16
13238W	5559N	2984-18484	30	FGGG	60	21	13923W	6659N	2977-19485	70	GGGG	71	13
13246W	6008N	2986-18585	0	GGGG	62	18	13926W	5846N	2990-19220	30	GGGG	66	19
13316W	5721N	2985-18540	10	GGGG	61	20	13929W	6653N	2995-19475	30	GGGG	71	13
13325W	5435N	2984-18491	40	GGGG	60	22	13932W	6534N	2994-19424	100	GGGG	70	14
13345W	5845N	2986-18591	30	GGFG	62	19	13957W	6008N	2991-19271	50	GGGG	67	18
13407W	5557N	2985-18542	30	GGGG	61	21	14011W	6936N	2980-20051	90	GGGG	74	11
13410W	5311N	2984-18493	50	GGGG	60	23	14019W	6130N	2992-19323	0	GGGG	68	17
13413W	6008N	2987-19043	30	GGGG	63	18	14024W	6132N	2974-19333	90	FGGG	68	17
13437W	6129N	2988-19095	90	GGGG	64	17	14039W	6251N	2993-19375	30	GGG	69	16
13440W	5721N	2986-18594	90	GGGG	62	20	14040W	6817N	2979-19595	70	GGGG	73	12
13454W	5433N	2985-18545	90	GGGG	61	22	14040W	6814N	2997-19585	100	GGGG	73	12
13511W	6536N	2991-19253	10	GGGG	67	14	14052W	6658N	2978-19543	90	FGGG	72	13
13511W	5845N	2987-19050	20	GGGG	63	19	14052W	6539N	2977-19492	80	GGGG	71	14
13531W	5558N	2986-19000	90	GGFG	62	21	14053W	6413N	2994-19430	90	GGGG	70	15
13539W	6007N	2988-19101	80	GGGG	64	18	14054W	6655N	2996-19533	100	GGGG	72	13
13604W	6129N	2989-19153	50	GGGG	65	17	14056W	5845N	2991-19274	100	GGGG	67	19
13606W	5721N	2987-19052	30	GGGG	63	20	14058W	6533N	2995-19482	70	GGG	71	14
13632W	6415N	2991-19260	10	GGGG	67	15	14122W	6007N	2992-19325	70	GGGG	68	18
13637W	5844N	2988-19104	90	GGGG	64	19	14127W	6008N	2974-19340	70	GGGG	68	18
13642W	6536N	2974-19322	100	GGGG	68	14	14143W	6935N	2981-20105	90	GGGG	75	11
13707W	6006N	2989-19155	90	GGGG	65	18	14146W	6129N	2993-19381	30	GGGG	69	17
13724W	6132N	2990-19211	10	GGGG	66	17	14202W	6818N	2980-20053	70	GGGG	74	12
13731W	5720N	2988-19110	70	GGGG	64	20	14206W	6251N	2994-19433	70	GGGG	70	16
13744W	6819N	2977-19483	70	GGGG	71	12	14208W	6813N	2998-20043	90	GGGG	74	12
13746W	6254N	2991-19262	10	FGGG	67	16	14214W	6418N	2977-19494	80	GGGG	71	15
13750W	6813N	2995-19473	80	FGGG	71	12	14219W	6657N	2979-20002	90	GGGG	73	13
13757W	6415N	2992-19314	10	FGGG	68	15	14219W	6411N	2995-19484	80	GGGG	71	15
13802W	6416N	2974-19324	90	GGFG	68	15	14220W	6654N	2997-19591	100	GGGG	73	13

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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09:39 NOV 10, '77

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0090

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG LAT			12345678			LONG LAT			12345678		
14220W 5844N	2992-19332	100	GGGG	68	19	14606W 6134N	2978-19561	70	GGGG	72	17
14222W 6538N	2978-19550	90	GGGG	72	14	14606W 6130N	2996-19551	100	GGGG	72	17
14223W 6535N	2996-19540	100	GGGG	72	14	14610W 5718N	2994-19451	60	GGGG	70	20
14226W 5845N	2974-19342	50	GGGF	68	19	14621W 6818N	2983-20223	40	GGGG	77	12
14227W 7054N	2983-20214	90	GGGG	77	10	14624W 6253N	2979-20013	90	GGGG	73	16
14249W 6006N	2993-19384	90	GGGG	69	18	14625W 6250N	2997-20003	100	GGGG	73	16
14306W 6937N	2982-20163	10	GGGG	76	11	14633W 6416N	2980-20065	90	GGGG	74	15
14315W 6128N	2994-19435	40	GGGG	70	17	14637W 6659N	2982-20172	50	GGGG	76	13
14329W 6255N	2977-19501	20	GGGG	71	16	14638W 6411N	2998-20054	90	GGGG	74	15
14333W 6816N	2981-20111	90	GGGG	75	12	14639W 5847N	2977-19512	10	GGGG	71	19
14333W 6250N	2995-19491	70	GGGG	71	16	14642W 6536N	2981-20120	90	GGGG	75	14
14342W 6658N	2980-20060	90	GGGG	74	13	14642W 5842N	2995-19502	60	GGGG	71	19
14343W 6416N	2978-19552	70	GGGG	72	15	14648W 7052N	2986-20385	90	GGGG	80	10
14344W 6413N	2996-19542	100	GGGG	72	15	14709W 6010N	2978-19564	50	GGGG	72	18
14347W 5843N	2993-19390	90	GGGG	69	19	14709W 6007N	2996-19554	100	GGGG	72	18
14348W 6653N	2998-20045	90	GGGG	74	13	14726W 6935N	2985-20333	10	GGGG	79	11
14349W 6536N	2979-20004	60	GGGG	73	14	14732W 6131N	2979-20020	90	GGGG	73	17
14350W 6534N	2997-19594	100	GGGG	73	14	14734W 6128N	2997-20005	100	GGGG	73	17
14356W 7053N	2984-20272	30	GGGF	78	10	14734W 5724N	2977-19515	10	GGGG	71	20
14418W 6005N	2994-19442	50	GGGG	70	18	14736W 5718N	2995-19505	50	GGGG	71	20
14430W 6936N	2983-20221	70	GGGG	77	11	14747W 6255N	2980-20071	80	GGGG	74	16
14437W 6133N	2977-19503	10	GGGG	71	17	14748W 6817N	2984-20281	30	GGGG	78	12
14441W 6127N	2995-19493	70	GGGG	71	17	14752W 6249N	2998-20061	100	GGGG	74	16
14457W 6818N	2982-20165	10	GGGG	76	12	14800W 6658N	2983-20230	40	GGGG	77	13
14457W 6255N	2978-19555	60	GGGG	72	16	14803W 6415N	2981-20123	90	GGGG	75	15
14457W 6252N	2996-19545	100	GGGG	72	16	14806W 6538N	2982-20174	60	GGGG	76	14
14510W 6415N	2979-20011	30	GGGG	73	15	14807W 5846N	2978-19570	70	GGGG	72	19
14511W 6412N	2997-20000	100	GGGG	73	15	14807W 5843N	2996-19560	100	GGGG	72	19
14512W 6537N	2980-20062	90	GGGG	74	14	14835W 6008N	2979-20022	100	GGGF	73	18
14513W 6656N	2981-20114	90	GGGG	75	13	14837W 6005N	2997-20012	80	GGGG	73	18
14516W 5842N	2994-19444	40	GGGG	70	19	14852W 6934N	2986-20391	90	GGGG	80	11
14517W 6532N	2998-20052	70	GGGG	74	14	14855W 6132N	2980-20074	80	GGGG	74	17
14522W 7053N	2985-20330	10	GGGF	79	10	14900W 6127N	2998-20063	90	GGGG	74	17
14541W 6011N	2977-19510	40	GGGG	71	18	14901W 5722N	2978-19573	60	GGGG	72	20
14544W 6004N	2995-19500	70	GGGG	71	18	14901W 5720N	2996-19563	100	GGGG	72	20
14559W 6935N	2984-20275	0	GGGG	78	11	14916W 6816N	2985-20335	30	GGGG	79	12

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

09:39 NOV 10, 1977

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0091

ORIGINAL PAGE IS
OF POOR QUALITY

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
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14927W	6657N	2984-20284	10	GGGG	78	13	15322W	5721N	2981-20143	50	FFGG	75	20
14927W	6417N	2982-20181	30	GFGG	76	15	15328W	6818N	2988-20510	20	GGGG	82	12
14930W	6537N	2983-20232	30	GGGG	77	14	15333W	6254N	2984-20295	20	GGGG	78	16
14934W	7054N	2988-20501	40	GGGG	82	10	15345W	6658N	2987-20454	30	GGGG	81	13
14934W	5845N	2979-20025	100	GGFF	73	19	15345W	6415N	2985-20351	80	GGGG	79	15
14936W	5841N	2997-20014	40	GGGG	73	19	15349W	5847N	2982-20195	30	GGGG	76	19
14958W	6010N	2980-20080	70	GGGG	74	18	15351W	6535N	2986-20403	70	GGGG	80	14
15002W	6004N	2998-20070	90	GGGG	74	18	15358W	7052N	2991-21071	90	GGGG	85	10
15015W	6936N	2987-20445	10	GGGG	81	11	15413W	5557N	2981-20150	60	GGGG	75	21
15026W	6130N	2981-20132	60	GGGG	75	17	15418W	6009N	2983-20250	10	GGGG	77	18
15028W	5722N	2979-20031	100	GGGG	73	20	15433W	7206N	2993-21181	90	GGGG	87	9
15031W	5718N	2997-20021	30	GGGG	73	20	15433W	6935N	2990-21015	90	GGGG	84	11
15040W	6255N	2982-20183	10	GFGG	76	16	15442W	6132N	2984-20302	30	GGGF	78	17
15042W	6816N	2986-20394	90	GGGG	80	12	15444W	5724N	2982-20201	30	GGFG	76	20
15051W	6416N	2983-20235	10	GGGG	77	15	15459W	6817N	2989-20564	10	GGGG	83	12
15055W	6657N	2985-20342	30	GGGG	79	13	15459W	6254N	2985-20353	90	GGGG	79	16
15058W	5847N	2980-20083	80	GGGF	74	19	15507W	6658N	2988-20512	30	GGGG	82	13
15100W	5841N	2998-20072	80	GGGG	74	19	15512W	6414N	2986-20405	60	GGGG	80	15
15104W	7053N	2989-20855	80	FGGG	83	10	15515W	6538N	2987-20461	10	GGGG	81	14
15129W	6008N	2981-20134	40	GGGG	75	18	15517W	5846N	2983-20253	10	FGGG	77	19
15138W	6937N	2988-20503	70	GGGG	82	11	15521W	7051N	2992-21125	100	GGGG	86	10
15148W	6133N	2982-20190	10	GGGG	76	17	15529W	7052N	2974-21135	10	GGGG	86	10
15153W	5723N	2980-20085	70	FGGG	74	20	15535W	5600N	2982-20204	20	GGGG	76	21
15155W	5717N	2998-20075	70	GGGG	74	20	15545W	6009N	2984-20304	70	GGGG	78	18
15205W	6817N	2987-20452	10	GGGG	81	12	15551W	7209N	2994-21235	90	GGGG	88	9
15206W	6255N	2983-20241	10	GGGG	77	16	15602W	6935N	2991-21073	90	GGGG	85	11
15218W	6416N	2984-20293	10	GGFG	78	15	15607W	6131N	2985-20360	100	GGGG	79	17
15221W	6656N	2986-20400	90	GGGG	80	13	15612W	5723N	2983-20255	60	GGGG	77	20
15223W	6536N	2985-20344	70	GGGG	79	14	15624W	6816N	2990-21022	90	GGGG	84	12
15227W	5845N	2981-20141	40	GGGG	75	19	15626W	6252N	2986-20412	40	GGGG	80	16
15229W	7052N	2990-21013	90	GGGG	84	10	15637W	6538N	2988-20515	50	FGGG	82	14
15244W	5559N	2980-20092	60	GGGF	74	21	15637W	6417N	2987-20463	40	GGGG	81	15
15246W	5554N	2998-20081	60	GGGG	74	21	15638W	6657N	2989-20570	90	FGGG	83	13
15250W	6010N	2982-20192	20	GGGG	76	18	15643W	5846N	2984-20311	80	GGGG	78	19
15309W	6935N	2989-20561	10	FGGG	83	11	15653W	7050N	2993-21183	90	GFGG	87	10

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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09:39 NOV 10, 1977

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0092

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW
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15720W	7208N	2995-21293	80	GGGG	89	9	16044W	6254N	2989-20582	90	GGGG	83	16
15722W	7210N	2977-21303	90	FGGG	89	9	16046W	6814N	2993-21192	10	GGGG	87	12
15733W	6935N	2974-21142	10	GGGG	86	11	16053W	6415N	2990-21033	40	GGGG	84	15
15735W	6130N	2986-20414	50	GGGG	80	17	16055W	6655N	2992-21141	70	GFGG	86	13
15737W	5722N	2984-20313	90	GGGG	78	20	16100W	6656N	2974-21151	20	FGGG	86	13
15751W	6254N	2987-20470	60	GGGG	81	16	16100W	5847N	2987-20481	100	GGGG	81	19
15751W	5435N	2983-20264	90	GGGG	77	22	16101W	6536N	2991-21085	90	GGGG	85	14
15752W	6816N	2991-21080	100	GGGG	85	12	16107W	7050N	2996-21353	80	GGGG	90	10
15759W	6417N	2988-20521	80	GGGG	82	15	16109W	7053N	2978-21364	70	GFGG	90	10
15803W	6656N	2990-21024	90	GGGG	84	13	16121W	5557N	2986-20432	30	GGGG	80	21
15808W	6537N	2989-20573	90	GGGG	83	14	16126W	6009N	2988-20593	100	GGGG	82	18
15812W	7053N	2994-21241	90	GGGG	88	10	16145W	6936N	2977-21312	100	FGGG	89	11
15828W	5558N	2984-20320	80	GGGG	78	21	16145W	6834N	2995-21302	40	GGGG	89	11
15838W	6007N	2986-20421	30	GGGG	80	18	16152W	6132N	2989-20584	20	GGGG	83	17
15849W	7208N	2978-21361	90	GGGG	90	9	16155W	5723N	2987-20484	100	GGGG	81	20
15849W	7206N	2996-21351	90	GGGG	90	9	16208W	6817N	2994-21250	10	GGGG	88	12
15856W	6932N	2993-21190	90	GFGG	87	11	16208W	6253N	2990-21040	90	GGGG	84	16
15859W	6132N	2987-20472	80	GGGG	81	17	16209W	5433N	2986-20435	50	GGGG	80	22
15903W	5721N	2985-20371	90	GGGG	79	20	16222W	6416N	2991-21091	90	GGGG	85	15
15914W	6255N	2988-20524	90	G	82	16	16224W	5846N	2988-20535	70	GGGG	82	19
15916W	6815N	2992-21134	60	GGGG	86	12	16225W	6655N	2993-21195	10	GFGG	87	13
15916W	5434N	2984-20322	60	GFGG	78	22	16225W	6535N	2992-21143	80	GGGG	86	14
15922W	6816N	2974-21144	0	FGGG	86	12	16229W	6535N	2974-21153	40	GGGG	86	14
15930W	6415N	2989-20575	90	GGGG	83	15	16230W	7056N	2979-21422	90	FGGG	91	10
15931W	6656N	2991-21082	100	GGGG	85	13	16237W	7049N	2997-21411	100	G	91	10
15932W	6536N	2990-21031	20	GGGF	84	14	16246W	5559N	2987-20490	90	GGGG	81	21
15936W	5844N	2986-20423	20	FGGG	80	19	16255W	6009N	2989-20591	20	GGGG	83	18
15940W	7052N	2995-21295	90	GGGG	89	10	16311W	6933N	2996-21360	40	GGGG	90	11
15942W	7053N	2977-21305	100	FFGG	89	10	16313W	6935N	2978-21370	90	GGGG	90	11
15954W	5558N	2985-20374	90	GGGG	79	21	16316W	6130N	2990-21042	100	GGGG	84	17
16002W	6010N	2987-20475	90	GGGG	81	18	16319W	5723N	2988-20542	40	GGGG	82	20
16009W	7211N	2979-21415	90	FGGG	91	9	16334W	6818N	2977-21314	90	FGGG	89	12
16017W	6935N	2994-21244	90	GGGG	88	11	16334W	5436N	2987-20493	90	GGGG	81	22
16023W	6132N	2988-20530	100	GGG	82	17	16335W	6815N	2995-21304	10	GGG	89	12

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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09:39 NOV 10, '77

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0093

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
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16347W	6657N	2994-21253	10	GGGG	88	13	16643W	6538N	2977-21323	80	GGGG	89	14
16347W	6413N	2992-21150	60	GGGG	86	15	16644W	5845N	2991-21105	40	GGGG	85	19
16355W	6534N	2993-21201	20	GGGG	87	14	16703W	5557N	2990-21060	90	GGGG	84	21
16400W	7051N	2998-21465	80	GGGG	92	10	16711W	6008N	2974-21171	90	GGGG	86	18
16401W	7053N	2980-21480	100	GGGG	92	10	16712W	5310N	2989-21011	100	GGGG	83	23
16411W	5559N	2988-20544	40	GGGG	82	21	16713W	6007N	2992-21161	40	GGGG	86	18
16419W	6008N	2990-21045	90	GGGG	84	18	16732W	6937N	2981-21540	80	GGGG	93	11
16419W	5311N	2987-20495	80	GGGG	81	23	16736W	6129N	2993-21213	90	GGGG	87	17
16435W	6938N	2979-21424	80	GGGG	91	11	16739W	5721N	2991-21112	20	GGGG	85	20
16441W	6931N	2997-21414	30	GGGG	91	11	16751W	5433N	2990-21063	90	GGGG	84	22
16443W	6131N	2991-21100	40	GGGG	85	17	16752W	6252N	2994-21264	30	GGGG	88	16
16448W	5722N	2989-21000	50	GGGG	83	20	16755W	6815N	2998-21474	80	GGGG	92	12
16459W	5435N	2988-20551	40	GGGG	82	22	16756W	6816N	2980-21485	80	GGGG	92	12
16502W	6814N	2996-21362	30	GGGG	90	12	16803W	6659N	2979-21433	90	GGGG	91	13
16502W	6252N	2992-21152	20	GGGG	86	16	16805W	6417N	2977-21330	40	GGGG	89	15
16503W	6252N	2974-21162	40	GGGG	86	16	16806W	6414N	2995-21320	40	GGGG	89	15
16504W	6817N	2978-21373	100	GGGG	90	12	16809W	6534N	2996-21371	70	GGGG	90	14
16513W	6658N	2977-21321	70	GGGG	89	13	16810W	5845N	2974-21174	90	GGGG	86	19
16514W	6655N	2995-21311	20	GGGG	89	13	16811W	6653N	2997-21423	70	GGGG	91	13
16516W	6412N	2993-21204	70	GGGG	87	15	16812W	6536N	2978-21382	80	GGGG	90	14
16517W	6536N	2994-21255	10	GGGG	88	14	16812W	5844N	2992-21164	40	GGGG	86	19
16517W	5844N	2990-21051	100	GGGG	84	19	16831W	5557N	2991-21114	40	GGGG	85	21
16539W	5558N	2989-21002	90	GGGG	83	21	16836W	5309N	2990-21065	80	GGGG	84	23
16544W	5310N	2988-20553	40	GGGG	82	23	16839W	6006N	2993-21215	70	GGGG	87	18
16604W	6934N	2998-21472	90	GGGG	92	11	16900W	6130N	2994-21271	70	GGGG	88	17
16606W	6935N	2980-21482	90	GGGG	92	11	16905W	5721N	2974-21180	90	GGGG	86	20
16609W	6131N	2974-21165	70	GGGG	86	17	16906W	5721N	2992-21170	50	GGGG	86	20
16610W	6130N	2992-21155	30	GGGG	86	17	16919W	5432N	2991-21121	50	GGGG	85	22
16612W	5721N	2990-21054	90	GGGG	84	20	16919W	5145N	2990-21072	50	GGGG	84	24
16625W	6819N	2979-21431	90	GGGG	91	12	16920W	6255N	2977-21332	70	GGGG	89	16
16627W	5434N	2989-21005	90	GGGG	83	22	16920W	6252N	2995-21322	70	GGGG	89	16
16629W	6251N	2993-21210	90	GGGG	87	16	16923W	6819N	2981-21543	90	GGGG	93	12
16632W	6813N	2997-21420	30	GGGG	91	12	16932W	6539N	2979-21440	80	GGGG	91	14
16638W	6415N	2994-21262	40	GGGG	88	15	16933W	6415N	2978-21384	100	GGGG	90	15
16640W	6654N	2996-21365	50	GGGG	90	13	16935W	6657N	2980-21491	70	GGGG	92	13

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=8AND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

ORIGINAL PAGE IS
OF POOR QUALITY

09:39 NOV 10, '77

LANDSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 10/01/77 TO 10/31/77

PAGE 0094

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
16935W	6655N	2998-21481	60	GGGG	92	13	17257W	6009N	2978-21400	90	GGGG	90	18
16938W	5842N	2993-21222	60	GGGG	87	19	17258W	6005N	2996-21385	90	GGGG	90	18
16939W	6532N	2997-21425	80	GGGG	91	14	17258W	5306N	2993-21240	60	GFGG	87	23
16956W	5557N	2974-21183	90	FGGG	86	21	17324W	5723N	2977-21350	90	GGGG	89	20
16957W	5556N	2992-21173	40	GGGG	86	21	17325W	5720N	2995-21340	60	GGGG	89	20
17002W	6008N	2994-21273	90	GGGG	88	18	17334W	5433N	2994-21291	90	GGGG	88	22
17004W	5308N	2991-21123	40	GGGG	85	23	17340W	5141N	2993-21242	50	GFGG	87	24
17028W	6132N	2977-21335	90	FGGG	89	17	17355W	5845N	2978-21402	90	GGGG	90	19
17028W	6129N	2995-21325	90	GGGG	89	17	17357W	5842N	2996-21392	70	GGGG	90	19
17033W	5719N	2993-21224	60	GGGG	87	20	17415W	5559N	2977-21353	100	GGGG	89	21
17044W	5433N	2974-21185	80	FGGG	86	22	17416W	5556N	2995-21343	70	GGGG	89	21
17045W	5432N	2992-21175	40	GGGG	86	22	17419W	5309N	2994-21294	90	GGGG	88	23
17046W	6250N	2996-21380	40	GGGG	90	16	17450W	5722N	2978-21405	80	GGGG	90	20
17046W	5144N	2991-21130	50	GGGG	85	24	17452W	5718N	2996-21394	50	GGGG	90	20
17047W	6254N	2978-21391	100	GGGG	90	16	17502W	5144N	2994-21300	80	GGGG	88	24
17100W	6411N	2997-21432	90	GGGG	91	15	17503W	5435N	2977-21355	100	GGGG	89	22
17101W	5845N	2994-21280	70	GGGG	88	19	17503W	5432N	2995-21345	60	GGGG	89	22
17102W	6659N	2981-21545	100	FGGG	93	13	17542W	5558N	2978-21411	80	GGGG	90	21
17104W	6536N	2980-21494	50	GGGG	92	14	17543W	5554N	2996-21401	60	GGGG	90	21
17104W	6535N	2998-21483	40	GGGG	92	14	17547W	5310N	2977-21362	100	GGGG	89	23
17124W	5555N	2993-21231	70	GFGG	87	21	17548W	5308N	2995-21352	70	GGGG	89	23
17130W	5309N	2974-21192	50	FGGG	86	23	17630W	5434N	2978-21414	90	GGGG	90	22
17130W	5308N	2992-21182	50	GGGG	86	23	17630W	5430N	2996-21403	80	GGGG	90	22
17131W	6010N	2977-21341	60	FGGG	89	18	17630W	5146N	2977-21364	100	FFGG	89	24
17132W	6006N	2995-21331	90	GGGG	89	18	17631W	5143N	2995-21354	50	FGGG	89	24
17154W	6128N	2996-21383	90	GGGG	90	17	17715W	5309N	2978-21420	60	GGGG	90	23
17156W	5721N	2994-21282	90	GGGG	88	20	17715W	5306N	2996-21410	90	GGGG	90	23
17212W	5431N	2993-21233	50	GFGG	87	22	17757W	5145N	2978-21423	70	GGGG	90	24
17213W	5143N	2992-21184	60	GGGG	86	24	17757W	5142N	2996-21412	70	GGGG	90	24
17230W	5846N	2977-21344	70	GGGG	89	19	17921W	5148N	2979-21481	80	GGGG	91	24
17230W	5843N	2995-21334	80	GGGG	89	19	17926W	5140N	2997-21470	80	GGGG	91	24
17247W	5557N	2994-21285	90	GGGG	88	21							

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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09:43 NOV 10, 1977

LANDSAT-2
COORDINATE LISTING
FOR HAWAII
FROM 10/01/77 TO 10/31/77

PAGE 0095

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
15355W	2016N	2990-19331	20	GGGG	66	46	15858W	2306N	2994-19551	10	GGGG	70	44
15416W	1850N	2990-19334	30	GGGG	66	47	15919W	2140N	2994-19553	10	GGGG	70	45
15438W	1724N	2990-19340	40	GGGG	66	48	15942W	2013N	2994-19560	20	GGGG	70	46
15459W	2143N	2991-19383	30	FGGG	67	45	16022W	2305N	2995-20005	30	GGGG	71	44
15521W	2016N	2991-19385	40	GGG	67	46	16043W	2140N	2995-20011	20	GGGG	71	45
15543W	1850N	2991-19392	30	GGGG	67	47	16105W	2014N	2995-20014	20	GGGG	71	46
15604W	1723N	2991-19394	30	FGGG	67	48							

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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OF POOR QUALITY

APPENDIX

EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of Landsat 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for Landsat 1 is illustrated below:

1000 - hhmmss
 --
 --
 1998 - hhmmss
 1999 - hhmmss April 18, 1975
 5000 - hhmmss April 19, 1975
 5001 - hhmmss (Days since launch equal 1001)
 --
 --

The same general identification procedure will be used for Landsat 2 imagery. The day after the 999th day of operation of Landsat 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmmss
 --
 --
 2999 - hhmmss
 6000 - hhmmss
 6001 - hhmmss (Days since launch equal 1001)
 --
 --

Key: hh = hours
 mm = minutes
 s = tens of seconds

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END DATE FILMED
 MAR 11, 1978